1984

Northwest River Supplies

Introduction

Dear River Runner,

In February we moved into our new building on South Main in Moscow, which brings our whole operation under one roof and helps us provide even faster and more efficient service. Our catalog this year has more space for rafts, allowing you to choose from a wide range of quality and price to fit your needs.

You can learn river skills, run Idaho's famous lower Salmon River, and try out a variety of rafts, inflatables and kayaks at the new NRS/IEA Whitewater School (see information on this page). With our new Whitewater Sweepstakes, you can take a chance on winning a trip down the Salmon with our Whitewater School as well as other prizes (see the back cover for details).

Thanks to all of you who have written with suggestions for improving products—we are always looking for new and better ways to do things. Thanks also to all of you who continue to buy from us and recommend us to your friends. We appreciate you, your help, and your patronage. Stop by and visit our new place.

Support and enjoy free flowing rivers,

Bill Parks

Bill Parks

NRS/IEA Whitewater School

Be more than a passenger!

Come along on an expedition on one of the country's most exciting rivers, the Lower Salmon in central Idaho, and get instruction in beginning and advanced whitewater techniques from licensed guides. Be at the oars! Get all the chances you want to use these techniques in some of the West's classiest rapids: Snow Hole, China, and The Slide! Gain the added benefit of being able to test some of NRS's most popular products.

There are two sessions of the NRS/IEA Whitewater School planned for the summer of 1984.

1. The **All-Inflatable School** will be from July 16-20, and features a great variety of rafts and other inflatables, including the NRS Sport II, NRS Otter, Dolphin, Sevytex Tahiti, and other craft. Participants will be able to test all boats under many different performance conditions. The five-day downriver trip will also emphasize river camping and conservation. We reserve the right to change trip dates if water levels are hazardous.

2. The **Hardshell School** takes place on the same stretch of river from August 14-18. This five-day trip will specialize in teaching whitewater techniques necessary for the kayaker, including the Eskimo roll. Participants will get a chance to observe and handle the NRS Sport II as the support raft for this expedition.

Each session of the NRS/IEA Whitewater School costs $399.00 per person (including meals and tentspace), and both sessions are organized, outfitted, and run by Idaho Educational Adventures (a division of the University of Idaho Outdoor Program). Space is limited, and available only on a first-come, first-served basis.

For details or reservations, write NRS/IEA Whitewater School, P.O.B. 9186, Moscow, ID 83843-9186.

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Design by John Black
Photographs by Rick Semple

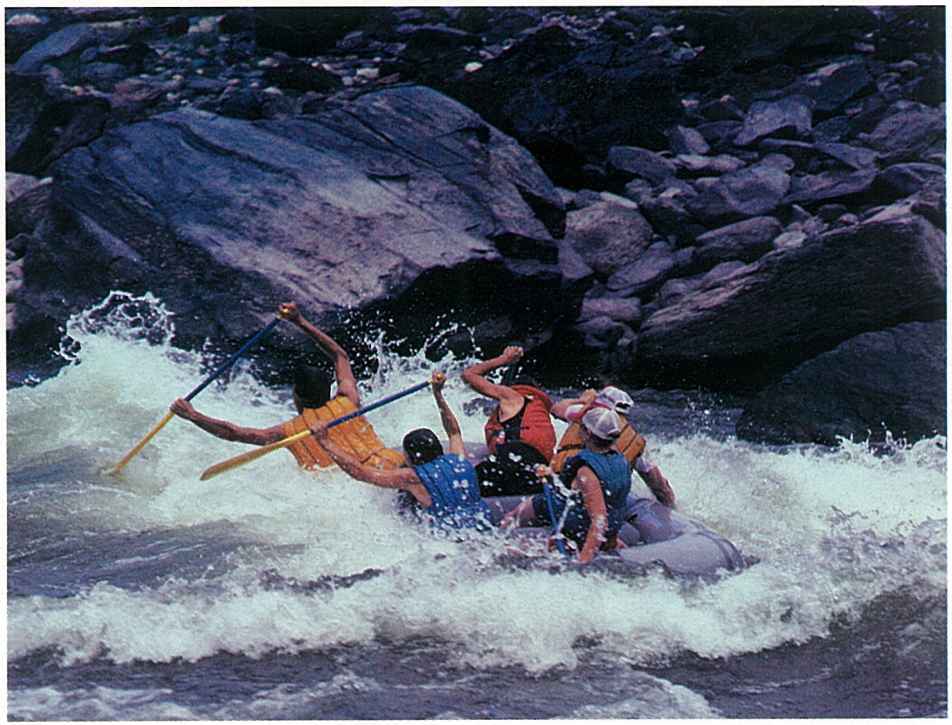
NRS Otter In designing the NRS Otter, we wanted a fun, responsive craft suitable for many different water conditions—one which even a boatman on a budget can afford. Designed for four or five paddlers, the NRS Otter provides an exciting ride in whitewater. It offers the stability to get through fast drops, and the maneuverability for great performance in tricky rock gardens.

The NRS Otter features a parabolic bow chamber which increases gradually in diameter from 16.5" to 24", and an enlarged rear chamber that supports the stern paddler and also helps prevent swamping from the rear by big waves. Two inflated cross thwarts (which provide additional seating, rigidity, and buoyancy) are carefully placed to give paddlers maximum comfort and bracing capability. For added safety, the two main air chambers are formed at the front and back rather than side to side, and all chambers have recessed military-style valves for quick inflation/deflation.

The NRS Otter's durability and longevity are due to the reinforced 840 denier nylon fabric floor and the 420 denier nylon fabric tubes, protected by a tough rubberized coating that makes the NRS Otter airtight and resistant to abrasion and weathering. The 3/16" polypropylene lifeline is secured by web-reinforced rubber guides and attaches to a 1.75" D-ring on the bow.

The NRS Otter offers more fun per dollar than any other raft on the market. It carries our limited 6 month warranty against defects in materials and workmanship. Shipped prepaid-UPS.

1012 (ship wt 55 lb) **$235.00**



Paddling the Otter on the Lower Salmon

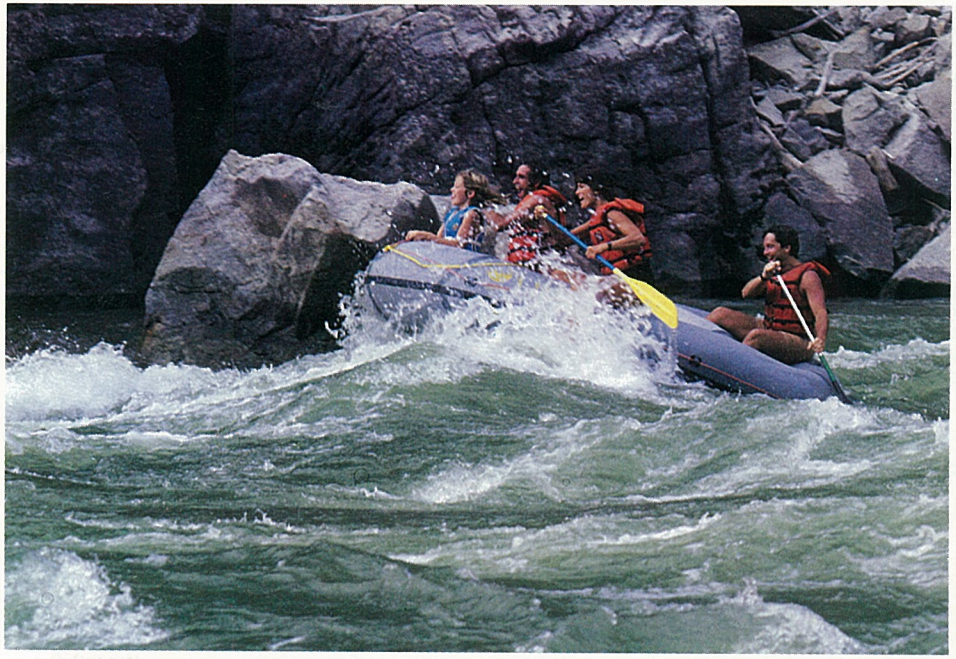
Otter Oarsman Package If you'd rather row than paddle, get the Otter Oarsman Package. Along with the NRS Otter, you get the NRS Foot Pump, 2 six-foot Carlisle Economy Oars, a Plywood Motor Mount (2 h.p. maximum), and Rubber Oarlocks. We'll also ship you the whole Package UPS prepaid!
1018 (ship wt 90 lbs) **$295.00**

Rowing the Otter on the Selway

Otter Accessories While the Otter was designed primarily as a paddle boat, we offer a pair of suitable 6 foot oars for rowers. These Carlisle oars have 5.5'' wide blades and rigid, thick walled aluminum shafts. They're used in combination with the glue-on rubber oarlocks. For motorists, there is a plywood motor mount with necessary hardware (2 horsepower maximum). An inexpensive foot pump for the NRS Otter is the #1144 Budget Foot Pump described on page 16.

1015 Otter Motor Mount (ship wt 4 lb) **$20.00**
1016 Otter Rubber Oarlocks (ship wt 4 lb) **$12.00 pr**
1107 6 ft Carlisle Economy Oar (ship wt 25 lb) **$13.50 ea**
1144 Budget Foot Pump (ship wt 3 lb) **$22.50**

NRS Otter



Family touring on the Selway

Otter Paddler's Package Everything you need to have a high-floating good time on the river in one affordable package. At the core of the Otter Paddler's Package is the tough, affordable, and responsive NRS Otter. With it, we've included our NRS Foot Pump, and four Carlisle Economy paddles. For maximum adaptability, two paddles in the Paddler's Package are 54'' and two are 60'' in length. If you need all 60'' or all 54'', just ask. Shipped UPS prepaid.
1013 (ship wt 71 lb) **$295.00**

Rafts
Sport

Sport II The Sport II has been accepted throughout the United States as the best recreational whitewater raft available today. The popularity and success of the Sport II is not an accident—we spent many hours at the drawing board (and chalking dimensions on the basement floor) to devise a medium-sized raft that provides plenty of cargo space without sacrificing stability or maneuverability.

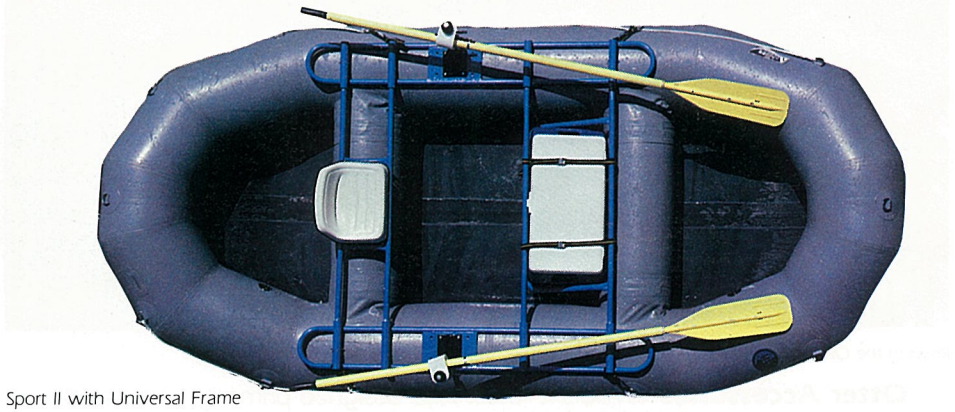
First, we determined the center compartment dimensions (45'' x 41'') which would offer maximum cargo capacity, load stability, and frame compatibility. Second, we selected the length (14'9'') and width (6'10'') which would provide maneuverability as well as stability in big water. Third, we chose large tubes (20.5'') to increase the flotation and create a drier ride. Fourth, we lifted the bow and stern 11'' to further reduce the incoming spray; this uplift also shortens the effective waterline for increased quickness in cramped river situations, and provides a smooth ride over rough whitewater. Because this rise is in two stages and the floor is relatively tight, the raft moves and glides superbly. Fifth, we rounded the bow and stern to increase cargo capacity.

Sport II on the Salmon

To implement our design and guarantee quality control, we turned to Achilles of Japan to produce the Sport II. Achilles' uncompromising workmanship and excellent materials ensure the Sport II's long life. For extra durability, the Sport II has a 1260 denier, 58 oz high density black neoprene floor. The tubes are built of top quality nylon 66 calendered with 80% DuPont Hypalon. We specify a material with the highest percentage of rubber and the lowest percentage of filler in the industry. If you would like a fabric sample, just write or call. You can set your oar pivots within 10'' of the Sport's midpoint with the Universal, Super or Bighorn frame. For those of you that prefer to paddle, the Sport II's quickness and maneuverability make it the ideal big-water paddle boat! Shipped motor freight prepaid.

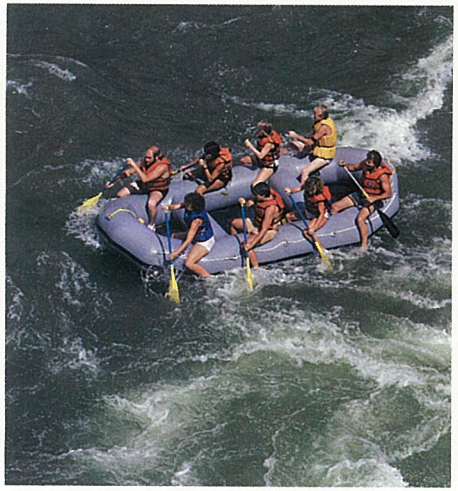
1001 (ship wt 160 lb) **$1,495.00**

Hitting the hole below Selway Falls



Sport II with Universal Frame

Sport II Specifications 14'9'' (L) x 6'10'' (W); 20.5'' diameter main tubes; 15'' diameter thwarts; 11'' bow and stern rise; 45'' (L) x 41'' (W) center compartment; six (four main, two thwarts) air chambers with recessed military style valves; 840 denier, 43 oz 80% Hypalon tube material; 1260 denier, 58 oz neoprene floor material; 14 mounted D-rings; and a lifeline. The Sport II comes with a one year guarantee against defects in material and workmanship, weighs 140 lbs (Sport II Wrap-Up 167 lbs) and is shipped motor freight prepaid.



Above the hole at Vinegar Flats on the Salmon

Entering the hole at Vinegar Flats

Hanging on!

Sport II Packages If you need a complete whitewater setup for your Sport II, one of the following Sport II Packages is the best value for your money. Each package includes the Sport II, the NRS frame of your choice (see below), three 9 ft Carlisle oar shafts (#1088-1090) with standard or magnum STM blades (#1098-1103), four #1249 3 ft HD straps, one set #1222 Pins and Clips, one #1223 Extra Clip, and the #1151 NRS Pump. You can also receive up to 15% savings on certain accessories when purchased at the same time you buy a Sport II Package. All Sport II Packages are shipped motor freight prepaid.

1002 Sport II Universal Package (ship wt 290 lb) **$2,025.00**
1006 Sport II Wrap-Up Universal Package (ship wt 320 lb) **$2,265.00**
1003 Sport II Super Package (ship wt 300 lb) **$2,065.00**
1007 Sport II Wrap-Up Super Package (ship wt 330 lb) **$2,305.00**
1004 Sport II Bighorn Package (ship wt 250 lb) **$1,925.00**
1008 Sport II Wrap-Up Bighorn Package (ship wt 280 lb) **$2,165.00**

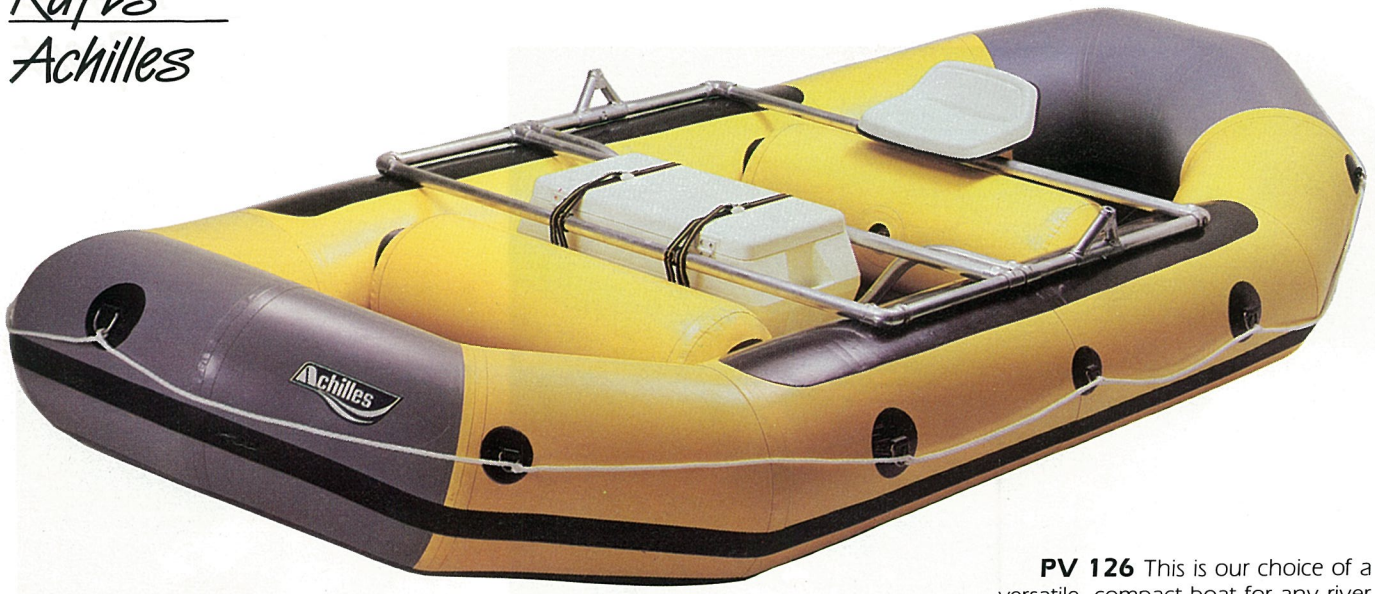
Sport II Wrap-Up Some of you have asked us to bring you the advantages of the Sport II in a commercial model, with the floor material extending up to the mid-line of the tubes. So for those who run or rent boats for the roughest and rockiest rivers, we offer the ultimate product—The Sport II Wrap-Up. Shipped motor freight prepaid.

1005 (ship wt 180 lb) **$1,735.00**

TOLL FREE ORDER LINE
800-635-5202

Indicates a new product

Rafts
Achilles



Achilles PV 140 with Bighorn Frame

Achilles makes some of the finest sport and river boats in the world and is constantly improving every detail.

New from Achilles this year is their PV line of high quality, affordable boats. Capitalizing on the proven performance of their highly successful RV and SV lines of commercial river boats, Achilles has introduced the new PV series which combines the quality materials, advanced design, and meticulous workmanship of the RV and SV series in a less expensive raft.

Achilles uses 80% Hypalon-coated nylon fabric that's flexible, airtight, and wear-resistant. The fabric is woven from premium Nylon 66 thread rather than the more common Nylon 6. Their skilled workers assemble each boat with care, using the latest manufacturing technology. Achilles then backs each boat with a special five year guarantee on material and seams.

PV Series

If you imagine the features and qualities you most desire in a river boat, offered in an efficient and economical package, you'd invent the brand-new Achilles PV Series. Achilles starts with their highest quality 80% Hypalon compound calendered to super tough Nylon 66 in a 420 denier tube fabric. The floor is Nylon 66 840 denier fabric calendered with high density neoprene and brought up in a semi-wrap to further protect the lower tube.

PV 126 This is our choice of a versatile, compact boat for any river and all occasions. You can paddle it on a weekend outing, or take it on a week down the Salmon. It handles beautifully as a rowing boat for two or three people and gear, or it can accommodate four, five, or six as a paddle boat. If you want a truly high quality boat at an affordable price then the PV-126 is for you. Shipped motor freight collect.
1020 (ship wt 85 lb) **$1,100.00**

PV 140 For rowing the family down just about any North American river, this may well be your boat. It is fast, maneuverable, stable, and long-lasting. Not only is it an excellent rowing boat, but with its 19.5'' tubes and 6'10'' width, it makes a great group paddle raft. Shipped motor freight collect.
1022 (ship wt 110 lbs) **$1,345.00**

Achilles Sportboats

The majority of inflatable boats are not found on the whitewater rivers of the world, but are used by water skiers, divers, fishermen, yachtsmen, the armed forces, off-shore work stations, and rescue squads. Achilles has over 30 models of these off-river inflatables—from 7 ft dinghies to an incredible 18 ft work boat that handles a 90 HP engine. For a brochure about any of Achilles' inflatables, drop us a line or call 208-882-2383 with your questions.

PV Packages

PV 126 Paddler's Package
Includes the Achilles PV 126, 1 Carlisle Guide paddle, 4 60'' Carlisle standard paddles, the NRS Foot Pump, NRS Rescue Rope, and a Medium Tuff Sack. All for just $1,195.00. Shipped motor freight collect.
1021 (ship wt 105 lb) **$1,195.00**

PV 140 Paddlers Package Same as PV 126 except with a PV 140 raft. Shipped motor freight collect.
1023 (ship wt 140 lb) **$1,420.00**

PV 140 Universal Package Same equipment as the Sport II Universal package (page 5), but includes Achilles PV 140 instead of the Sport II. Shipped motor freight collect.
1024 (ship wt 240 lb) **$1,850.00**

PV 140 Bighorn Package Same equipment as the Sport II Bighorn package (page 5), but includes Achilles PV 140 instead of the Sport II. Shipped motor freight collect.
1025 (ship wt 200 lb) **$1,760.00**

SV Series

Though originally built for the recreational boater, the SV Series are used by many commercial outfitters as well. The strong 43 oz tube material saves a significant amount of weight over comparable RV models. SV rafts come in red with black trim, and have 2'' molded D-rings, three to four main air chambers (depending on the boat model), two inflatable sewn/glued-in thwarts, and military-style valves.

SV-126 This 12 1/2 ft boat is the paddler's ''luxury liner,'' light enough that four paddlers can maneuver it with ease, yet large enough to carry extra people and/or a considerable amount of gear. If you are looking for a paddle boat that has an exciting ride, you just found it. Shipped motor freight collect.
1026 (ship wt 100 lb) **$1,215.00**

SV-140 A perfect boat for the oarsman who places a premium on maneuverability. This boat will go anywhere, yet it is big enough that you don't have to agonize over space considerations or carrying capacity. The floor is a 58 oz 1260 denier material. Shipped motor freight collect.
1027 (ship wt 135 lb) **$1,550.00**

SV-156 The 15 1/2 ft SV model has the added protection of a wrap-up floor. This feature adds a little weight but is worth it, considering the capacity of this large raft. Four main air chambers and a 58 oz, 1260 denier floor complete the design. Shipped motor freight collect.
1028 (ship wt 180 lb) **$1,845.00**

RV Series

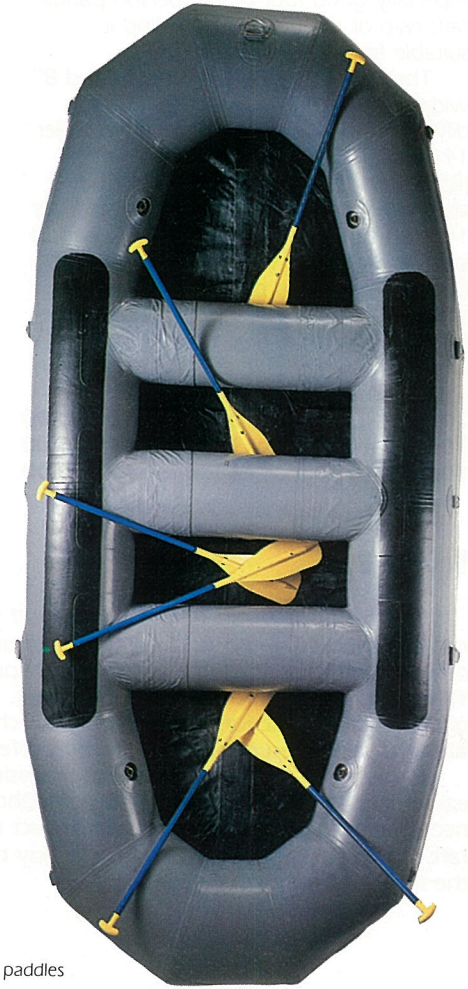
The RV line is the "muscle boat" that Achilles is using to grab a big chunk of the professional river-running market away from the competitors. For 1984, Achilles is using a new high density material (50% denser!) on the RV rafts. This new material, combined with the wrap-up floor and frame wear patches, make the RV one tough boat. We used to call them tanks, but now with their larger tubes, they maneuver with the best of them. Looking for an RV smaller or larger than what we have listed? Drop us a line and we'd be happy to tell you what else is available.

RV-130 The perfect boat for a weekend trip for two; plenty of room for our Longhorn frame and a cooler. Shipped motor freight collect.
1029 (ship wt 135 lb) **$1,530.00**

RV-140 This boat offers lots of room without being bulky. The RV 140 makes a great paddle boat. If you'd rather row, we can outfit you with a matching frame. It has 48 oz tube material with an extra heavy duty 58 oz wrap-up floor. Shipped motor freight collect.
1030 (ship wt 170 lb) **$1,795.00**

RV-143 The outfitter's custom RV 140 with three thwarts became so popular that Achilles added it to their regular line. The third thwart provides additional seating, so if you paddle as a group, the RV-143 is perfect. Shipped motor freight collect.
1031 (ship wt 180 lb) **$1,980.00**

RV-160 This is a big heavy-duty raft that just begs to be loaded down. The RV-160 is very durable and is still maneuverable even with its large load capacity. It has 48 oz tubes with a 58 oz wrap-up floor. Shipped motor freight collect.
1032 (ship wt 200 lb) **$2,295.00**



Achilles RV 143 with Carlisle paddles

UDISCO

UDISCO boats have been the choice of frugal (and beginning) rafters for many years because they offer river-worthy design at a reasonable price. For 1984 we are offering two of UDISCO's best boats at very special prices. Both have military-style valves, four main air chambers, and two inflatable thwarts.

8 Man UDISCO A 4 to 6 person paddle boat that's light and affordable, the 8 Man UDISCO is constructed from 420 denier nylon fabric coated with EPDM, Neoprene and other rubber compounds. Comfortable as a three-person rowing raft, it weighs 52 lb. Shipped motor freight collect.
1054 (ship wt 60 lb) **$395.00**

10-man Heavy-Duty UDISCO
UDISCO's 10-man Heavy Duty is constructed of 840 denier nylon fabric, making this a tougher boat than the standard model. Good for rowing, it's also a favorite paddle boat for up to 8 people. This is a river-worthy and affordable boat that should give many years of excellent service. Shipped motor freight collect.
1056 (ship wt 88 lb) **$550.00**

UDISCO 10-Man HD with Longhorn Frame

Low Priced Rafts

You may be anxious and upset! Where are the budget boats this year? Have faith, they're coming, but information on sizes, prices and availability was not ready from the manufacturers and distributors by our catalog deadline. Rest assured there will be a number of rafts available this season at low prices—just write or give us a call and we will provide you with an up to the minute report on the best buys in less expensive boats.

Raft Packages

Make up your own raft package. For those of you that are interested in one of our rafts which don't have packages listed, we would like to offer you up to a 15% discount on certain accessories if they are purchased at the same time. Write or call us for complete information on producing your own custom package deal.

Rafts

Avon

Avon Adventurer Mark V

Avon has been designing and manufacturing inflatable boats for almost 25 years, and is recognized worldwide for building superior river-running craft. The Avon material has a layer of heavy duty nylon fabric sandwiched between two layers of 85% DuPont Hypalon. This high Hypalon content makes a very lightweight, yet extremely durable material. Avon's fabric is guaranteed for five years. Avon rafts are equipped with anti-chafing strips, D-rings, lift handles, and a repair kit. Shipped motor freight collect.

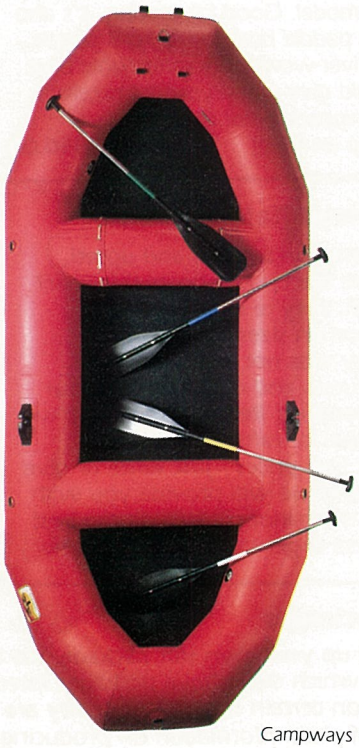
1034 Scout (ship wt 100 lb) **$1,575.00**
1035 Adventurer MK V (ship wt 115 lb) **$1,990.00**
1036 Professional MK VI (ship wt 130 lb) **$2,820.00**

Campways

Pioneer

This year Campways has introduced the Pioneer Series, a new line of introductory boats for people who want quality at a low price. Pioneers are manufactured with two main air chambers plus two glued-in inflatable thwarts, all with Campways' nylon military-style valves. They use a 35 oz, 420 denier 25% Hypalon-coated material made by a new "Roto-Press" process for a uniform, durable coating in an attractive deep red finish. The floors are an 840 denier fabric covered with a neoprene blend. These boats offer excellent workmanship and material at an affordable price.

1037 Pioneer 11.5 (ship wt 80 lb) **$695.00**
1038 Pioneer 13 (ship wt 90 lb) **$765.00**



Campways Pioneer 13

Campways River Rider 14 with Longhorn Frame

Campways River Riders have enjoyed consistent popularity because of their quality construction and reasonable cost. The River Rider 13 makes an especially good four or five person paddle raft; two or three people will find it suitable for weekend trips.

The River Rider 14 is 6" longer and 8" wider than the River Rider 13. This size difference allows you to fit the River Rider 14 with one of our large cooler frames (Bighorn or Universal), making it a better choice for week-long trips. The River Rider 14 is an excellent five or six-person paddle raft. All River Riders come with wrap-up floors for increased protection against abrasion and puncture, and feature three main air chambers plus two thwarts, all with Campways' military-style valves. Shipped motor freight collect.

1039 RR-13 (ship wt 100 lb) **$1,250.00**
1040 RR-14 (ship wt 110 lb) **$1,335.00**
1041 RR-15 (ship wt 140 lb) **$1,450.00**

Campways Miwok and Shoshoni Campways Red Line boats are high-quality, durable rafts that can handle any river situation. Their tube material is 30 oz, 840 denier; 80% Hypalon-coated. The floor material is a new, extremely tough 840 denier, 40 oz material coated with a neoprene blend. This new material keeps the overall weight of the raft down without sacrificing durability. The Miwok and Miwok Wrap-up are considered classic boats for private river runners offering plenty of room for four on most trips. The Shoshoni Wrap-up is popular for commercial and big-water use. Shipped motor freight collect.

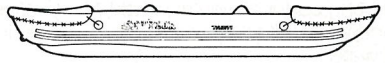
1042 Miwok (ship wt 130 lb) **$1,775.00**
1043 Miwok WF (ship wt 145 lb) **$2,125.00**
1044 Shoshoni WF (ship wt 165 lb) **$2,275.00**

Try 'N Buy

Test run a new raft before you buy! If you've been thinking about buying a new raft or other inflatable, and want to find out about its size, style, maneuverability and other characteristics on the river before you buy, sign up for the NRS/IEA Whitewater School (see p. 2) this summer. There you'll get five days worth of testing plus specific instruction in handling your chosen craft. You can both row and paddle the rafts, and then decide which you prefer.

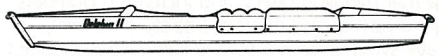
If you can't get time off for either session, but would like to try some of the equipment anyway, the University of Idaho Outdoor Program will rent you the necessary equipment and NRS will deduct the rental fee from the price of a new NRS raft or raft package, if you choose to buy the same raft you rented within 30 days of the rental. Write us for details.

Inflatable Packages: For extra savings, we offer most of our inflatables in packages. The packages include an 8' Carlisle Breakdown Paddle, a lightweight plastic foot pump and vinyl repair kit.



K-69 & K-79 Tahitis While Tahitis are designed to carry two, most people prefer to paddle solo. With just a little bit of practice, you can tackle whitewater or glide across a mountain lake. Tahitis pack down to a compact bundle: the K-69 weighs 19 lbs, the K-79 only 22 lbs. Fully inflated the K-69 is 9'6" x 2'6' and the K-79 is 10'8" x 2'8". Sevylor builds these boats out of tough 20 gauge PVC material with electronically welded seams, three separate chambers and built-in inflation gauges, then backs them with a one-year guarantee against defects in workmanship and materials.

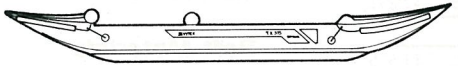
1714 K-69 (ship wt 19 lb) **$105.00**
1718 K-79 (ship wt 22 lb) **$125.00**
1719 K-79 Package (ship wt 28 lb) **$160.00**



Dolphin The Dolphin's materials, workmanship, and design surpass any other boat of its kind. We think it's the best whitewater inflatable on the water today. The key to the Dolphin's performance is its front spray skirt, sleek hull design (12'2" long x 2'2" wide) and wood-reinforced bow. Its ribbed tube construction and tough Hypalon/polyester material provide great rigidity and incredible toughness at the normal 2.8 p.s.i. inflation pressure for the three main and seven smaller air chambers. For one-person expeditions the Dolphin's inflated rear deck cover protects a boatload of gear. For occasional two person use, the cover folds down into a comfortable seat for a second paddler or passenger. Deflated, the Dolphin packs down to a portable 26" x 22" roll that weighs only 36 lbs. The Dolphin package includes the NRS Pump, special repair kit, and the 8' Carlisle breakdown paddle.

1723 Dolphin (ship wt 40 lb) **$600.00**
1724 Dolphin Package (ship wt 48 lb) **$650.00**

The **Metzeler Tramper** is a new German touring inflatable which provides high quality kayaking for two people. See the description on the order blank (p. 16) for details.



Sevytex Tahiti To build the Sevytex Tahiti, Sevylor developed a heavy duty PVC material reinforced by polyester ripstop threads. This grating makes the boat far more durable, and provides a structural integrity absent in non-reinforced inflatables. At 12'6" x 3', the Sevytex Tahiti can comfortably carry two people with some gear, or one person and enough gear for an expedition. The 10" bow and stern rise and ribbed decks help the boat shed water. It weighs 40 lbs and can be rolled into a compact 18" x 24" bundle. For toughness, performance and paddling pleasure at an excellent price, the Sevytex Tahiti is a sure winner.

1716 (ship wt 44 lb) **$295.00**
1717 Sevytex package (ship wt 52 lb) **$330.00**

From left to right: A Dolphin, Tahiti K-79 and Sevytex Tahiti thrashing through at Vinegar Flats on the Salmon

Iliad 8' Take-Apart Paddle Suitable for day tripping or the most demanding long tour, this 8' take-apart paddle features a very secure watertight joint held in position by a recessed Allen screw (wrench included). The aircraft aluminum shaft is ovaled and coated with non-slip vinyl for a sure grip in the coldest water. The slightly spooned blades (right hand control) are made of a pressure-molded, chip resistant fiberglass, and measure 8-1/2" x 22". Weighs 4 lbs 2 oz.

1730 (ship wt 6 lb) **$109.50**

Vinyl Repair Kit Useful for patching PVC inflatables (Tahitis, etc.), waterproof bags, or any type of vinyl product, the kit contains a 2 oz tube of Vynabond and 180 sq inches of clear vinyl. (Flammable; no parcel post or air shipments, please.)

1726 (ship wt 4 oz) **$3.50**

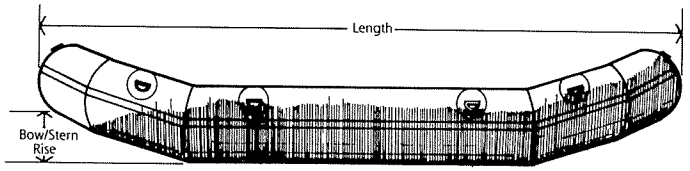
Carlisle Breakdown Paddle At 3 lbs 8 oz, Carlisle's 8 ft Breakdown Paddle has a 1-1/8"diameter polypropylene-covered aluminum shaft that is comfortable for all-day use. The 8" x 20" aluminum reinforced bright yellow blades are very durable and the push button joint locks the paddle halves together securely, then opens easily for storage or shipping. To convert your 8 ft Carlisle to a pair of 60" canoe paddles, use the #1729 Short Carlisle Adapter Handles.

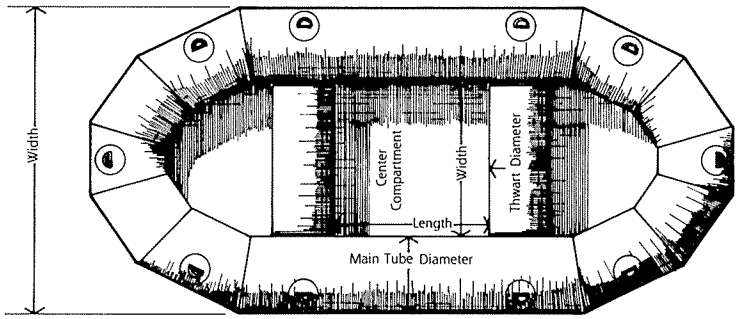
1728 (ship wt 4 lb) **$29.95**
1729 Adapters (ship wt 1.5 lb) **$9.95 pr**

Budget Pump The new Budget Pump features a durable non-kink 5 ft hose, wooden bellows plates, inflation and deflation ports, and rubberized bellows. The 3-part nozzle fits the valves of all of the vinyl inflatables we sell.

1144 (ship wt 4 lb) **$22.50**

Raft Specs





	Length	Width	Main Tube Diameter	Thwart Diameter	No. of Main Tube Chambers	Center Compartment Length/Width in inches	Bow/Stern Rise in inches	Tube material Denier/oz sq yd	% Hypalon	Floor material Denier/oz sq yd	No. of D-rings	Suggested Oar Length in feet	Unboxed Boat Wt (lb)	Price
NRS														
Sport II	14'9"	6'10"	20.5"	15"	4	45/41	11/11	840/43	80	1260/58	14	9-10	140	$1,495
Sport II WF	14'9"	6'10"	20.5"	15"	4	45/41	11/11	840/43	80	1260/58	14	9-10	167	$1,735
Otter	11'2"	5'6"	16.5"	13"	2	21/36	0/0	420/26	0	840/30	1	6-7	48	$235
Achilles														
PV 126	12'6"	6'1"	18"	16"	3	39/36	10/10	420/37	80	840/48	12	7½-8	75	$1,100
PV 140	14'6"	6'10"	19.5"	16"	3	43/42	9/9	420/37	80	840/48	13	9-10	100	$1,345
SV 126	12'6"	5'10"	17'	12"	3	39/36	7/7	840/43	80	1260/58	12	7½-8	90	$1,215
SV 140	14'	6'8"	19.5"	15.5"	4	43/41	10/10	840/43	80	1260/58	13	9-10	120	$1,550
SV 156	15'6"	7'	21"	16.5"	4	41/42	11/11	840/43	80	1260/58	13	9-10	165	$1,845
RV 130	13'	6'1"	18"	14"	4	35/37	8/8	840/48	80	1260/58	11	8-8½	128	$1,530
RV 140	14'	6'8"	20"	15.5"	4	43/40	10/10	840/48	80	1260/58	11	9-10	155	$1,795
RV 143	14'5"	6'8"	20"	15.7"	4	13/40	10/10	840/48	80	1260/58	11	9-10	165	$1,980
RV 160	16'	7'6"	23"	16.5"	4	45/44	11/11	840/48	80	1260/58	11	10-11	185	$2,295
Avon														
Scout	12'	5'10"	17"	15"	3	41/36	7/3	840/35	85	840/40	6	7-8½	83	$1,575
Adventurer MK V	13'6"	6'8"	19"	15"	4	42/44	10/10	840/35	85	840/40	10	9-10	99	$1,990
Professional MK VI	16'	7'4"	21"	16.5"	4	45/46	12/12	840/35	85	840/40	12	10-11	132	$2,820
Campways														
Pioneer 11½	11'6"	5'3"	16"	14"	2	35/34	5/5	420/35	0	1200/37	6	7-7½	70	$695
Pioneer 13	12'10"	5'10"	17"	15"	2	40/37	8/8	420/35	0	1200/37	6	7½-8½	79	$765
River Rider 13	13'6"	6'	18"	15"	3	36/38	8/4	420/35	25	1200/44	9	8-9	103	$1,250
River Rider 14	14'	6'8"	19.5"	15"	3	41/41	9.5/4	420/35	25	1200/44	10	9-10	107	$1,335
River Rider 15	15'	6'10"	20.5"	17"	3	41/42	8.5/6.5	420/35	25	1200/44	12	9-10	113	$1,450
Miwok	13'6"	6'8"	19.5"	17"	4	42/41	8/8	840/30	80	840/44	10	8-9	116	$1,775
Miwok WF	13'10"	7'	21"	17"	4	42/41	4/4	840/30	80	840/44	10	8-9	126	$2,125
Shoshoni WF	16'	7'10"	23"	20"	4	43/46	9.5/9.5	840/30	80	840/44	12	10-11	144	$2,275
UDISCO														
8-Man	12'	5'6"	16"	14"	4	28/36	6/6	420/24	0	420/24	0	7-8	55	$395
10-Man HD	14'	6'6"	18"	15"	4	42/42	10/10	840/30	0	840/30	11	9-10	75	$550

Note: *Raft specifications are based on figures supplied to us by the manufacturers. Actual boat measurements will vary slightly.*

Which Raft For You?

Which raft is right for your needs? NRS recommends that you make your decision by investigating six factors, listed in order of priority for most rafters.

1. Type of river. The rivers that you intend to run will influence your decision most about which raft you should use. A highly maneuverable raft that's perfect for small rivers with intricate, shallow channels won't be as well suited for large pool and drop rivers which require only that you line the raft up correctly before the rapid and then hang on for all you're worth! Many rafters want to run both types of rivers, and will have to balance maneuverability in tight corners against stability in big water.

2. Length of average trip. If you only go on day trips or on overnighters, you don't need to allow for extra gear storage space. On day or even weekend trips, a raft that will carry a specified number of people comfortably will also carry their gear—though it might get tight! For longer trips, there is no choice but to move up to a larger raft that has greater storage area.

3. Excitement vs. stability. A small boat can make even a relatively calm river exciting and challenging as it will respond much more actively to the water. A larger boat is more stable (and therefore more sedate), and offers greater cargo capacity. What kind of ride do you prefer—exciting or stable?

4. Number of passengers. A boat that's built for four people to ride in comfort will be mighty crowded packed with eight passengers. On the other hand, a boat built to carry eight on an extended trip will seem ridiculously roomy (and hard to handle) for two lone paddlers. Fortunately, all boats will accommodate a range of passengers (2-4, 4-6, etc.), so all you have to do is select the range you will most often use.

5. Paddle or row? In the West, the tradition has been to row rafts; in the East, people paddle. More and more Western boaters are adopting paddles for the exhilaration and comradeship that paddling offers, and increasing numbers of Eastern rafters are discovering the power and maneuverability of rowing. Fortunately most modern rafts have symmetrical bows and sterns equally suited for either method of propulsion. A larger raft, however, cannot be handled by only two paddlers, so will require a rowing frame and oars when you're taking trips with few people.

6. Budget. Though budget may be your first priority, we list it last because the other factors narrow your choice considerably. Beginning rafters might consider a less expensive model to see how well they like the sport, then move up later to a higher quality boat. NRS rafts offer extra values for you because NRS supervises their design, materials selection, manufacture, and distribution. Whichever raft you choose, we are here to give you helpful information and quality service.

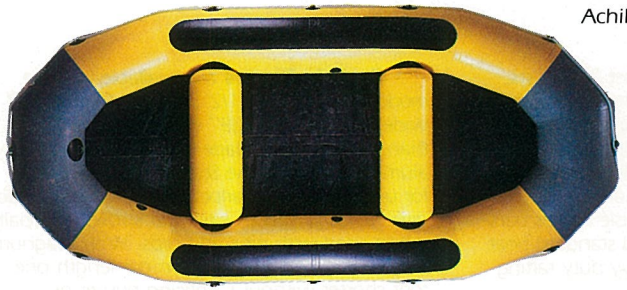
Raft Materials

Fabric: The strength of raft material is determined by the strength of the underlying fabric. Fabric strength is determined largely by thread chracteristics: type (nylon or polyester), strength (nylon 6 or 66), and weight (denier). The other important factors in fabric strength are the fabric density (thread count per inch), and the process used to make the fabric.

Coatings: Ingredients and process are both important. Every coating compound contains rubber filler and formulation. Fillers range from 40% to 60% (or more) of the compound. The rubber formulation is usually either Hypalon, Neoprene, EPDM, or a combination. More expensive materials utilize higher percentages of the more durable rubber formulations. If natural rubber (or its equivalents) are used to excess, the material will be particularly sensitive to ultraviolet light and ozone degradation.

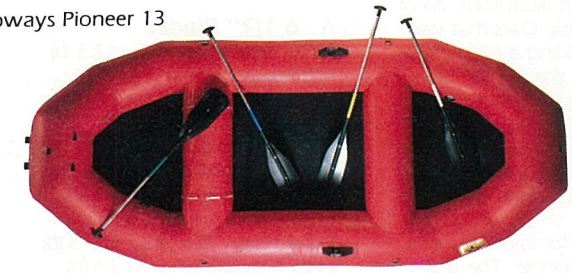
Compounds are bonded to the underlying fabric by either calendering or spreading. Calendering is the best process, and can produce extremely tough and abrasion resistant surfaces. In calendering, the rubber is squeezed onto and into the fabric by huge pressure rollers. Spreading is less expensive and was, until recently, the most common method.

Achilles PV 140



Campways River Rider 14

Campways Pioneer 13

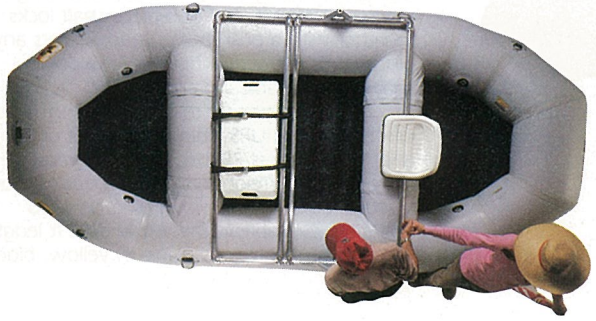


Avon Adventurer MK V

NRS Sport II

NRS Otter

Achilles RV 143



Campways Miwok

UDISCO 10-Man HD

Oars

Carlisle Oars Over the last four years, Carlisle aluminum and plastic oars have virtually replaced wooden oars in the hands of private and professional river runners. They are maintenance-free, very rugged, and the removable blades make storage and transportation much easier. Carlisle makes oars in several models: economy and standard boat oars, heavy duty and extra-heavy duty rafting oars.

The only "boat oar" that we sell is the #1107 6 ft Economy Oar. Our 7 ft, 7 1/2 ft, and 8 ft Carlisle oars are the heavy duty rafting model, with a shaft constructed from extra thick wall (.058") 6061 T-6 aircraft aluminum. All of the 8 1/2 ft and longer Carlisle Oars that we sell are extra-heavy duty, adding a 6061 T-6 aluminium reinforcing inner shaft (.058") for maximum strength in heavy whitewater use. The shaft on the Carlisle rafting oars is 1 3/4" in diameter, with its full length covered by a layer of 1/8" polyethylene. This colorful polyethylene protects the aluminum shaft from nicks, dents, and oxidation.

Always on the lookout for improvements, Carlisle redesigned the oar handle. The one-piece molded polypropylene handle has a longer insert into the shaft for greater strength. The STM II blade material makes the Carlisle blades substantially lighter and more flexible than in previous years, with no loss in strength. This STM material is also very resistant to degradation caused by ultraviolet light. An aluminum insert extends the full length of the blade for additional reinforcement. The blade locks securely into the shaft with a sturdy, spring loaded push-button and can be removed quickly for transportation, storage, or replacement.

We also offer 9 ft and 10 ft Carlisle shafts in a take-down version that is especially convenient for fly-in trips or wherever cargo space is cramped. The two-piece shaft locks together with a push button and accepts any of Carlisle's removable blades. Take down shafts are available in yellow.

All oar lengths up to and including 10 ft can be shipped UPS (shipping weight of 9 ft and 10 ft shafts is 25 lbs); 11 ft oars must be shipped motor freight collect. We stock yellow shafts in all lengths; yellow, blue, and red shafts are available in the 9 ft and 10 ft lengths. All blade models are available in yellow, blue, or black.

Carlisle Blades are available in three models: Standard (6 1/2" wide), Magnum (8" wide), and Outfitter (8" wide, 60% stronger than the Magnum blade because of a thicker aluminum insert). The Standard blade is good for use with open oarlocks. The Magnum blade gives extra power to each oar stroke, especially when used with pins and clips. With Magnum blades, you can switch to an oar length one foot shorter without sacrificing power or maneuverability. The thicker aluminum insert in the Outfitter blade adds 6 oz of weight, but is preferred by rafters rowing big boats with heavy loads.

A 6 1/2" Blades

1098	Yellow Std (ship wt 2.5 lb)	**$27.50**
1099	Blue Std (ship wt 2.5 lb)	**$27.50**
1100	Black Std (ship wt 2.5 lb)	**$27.50**

B 8" Blades

1101	Yellow Mag (ship wt 3 lb)	**$27.50**
1102	Blue Mag (ship wt 3 lb)	**$27.50**
1103	Black Mag (ship wt 3 lb)	**$27.50**
1104	Yellow Oftr (ship wt 3.5 lb)	**$32.50**
1105	Blue Oftr (ship wt 3.5 lb)	**$32.50**
1106	Black Oftr (ship wt 3.5 lb)	**$32.50**

Shafts

1084	7 ft Yellow (ship wt 3 lb)	**$24.00**
1085	7 1/2 ft Yellow (ship wt 3 lb)	**$25.00**
1086	8 ft Yellow (ship wt 4.5 lb)	**$27.50**
1087	8 1/2 ft Yellow (ship wt 5 lb)	**$36.00**
1088	9 ft Yellow (ship wt 25 lb)	**$38.00**
1089	9 ft Blue (ship wt 25 lb)	**$38.00**
1090	9 ft Red (ship wt 25 lb)	**$38.00**
1091	9 ft 2-piece (ship wt 5.5 lb)	**$42.50**
1092	9 1/2 ft Yellow (ship wt 25 lb)	**$41.50**
1093	10 ft Yellow (ship wt 25 lb)	**$44.00**
1094	10 ft Blue (ship wt 25 lb)	**$44.00**
1095	10 ft Red (ship wt 25 lb)	**$44.00**
1096	10 ft 2-Piece (ship wt 6.5 lb)	**$48.50**
1097	11 ft (ship wt 7 lb-MFC)	**$50.00**

Please note that all Carlisle rafting oar shafts and blades are sold separately. To order a complete oar, please list the catalog number for both the shaft length (and color) and the blade model (and color) desired. For example, if you want an all yellow 9 ft oar with a magnum blade, order one of #1088 and one of #1101.

C **Carlisle Oar Extenders** These pop onto the end of the Carlisle shafts to lengthen them a foot. Really convenient—especially if you want to move up a boat size without buying new oars.

1108 Yellow (ship wt 1 lb) **$11.00**
1109 Blue (ship wt 1 lb) **$11.00**
1110 Red (ship wt 1 lb) **$11.00**

6 Foot Economy Oar Carlisle Economy oars feature a specially formulated black plastic blade and handle designed with durability, light weight, and economy in mind. The non-removable blade is 5 1/2" wide and the unsheathed, 1 3/8" shaft is built of rigid, thick-wall, tempered aluminum. These oars will do a fine job propelling your Otter, yachting dinghy, or other small boat around the lake or down a slow river.

1107 (ship wt 25 lb) **$13.50 ea**

D **Sawyer Laminated Oars** Ralph Sawyer, well-known Oregon paddle craftsman, is now manufacturing high quality, laminated Douglas Fir rafting oars. Ralph builds them strong and lightweight (25% lighter than ash oars) and his lamination technique guarantees straight oars every time. Sawyer oars have excellent flex and resiliency and come ready to varnish. Oars 8' and longer must be shipped motor freight collect.

1112 7 ft (ship wt 25 lb) **$33.00**
1113 7.5 ft (ship wt 25 lb) **$35.00**
1114 8 ft (ship wt 6 lb-MFC) **$56.00**
1115 9 ft (ship wt 7 lb-MFC) **$64.00**
1116 10 ft (ship wt 8 lb-MFC) **$79.00**

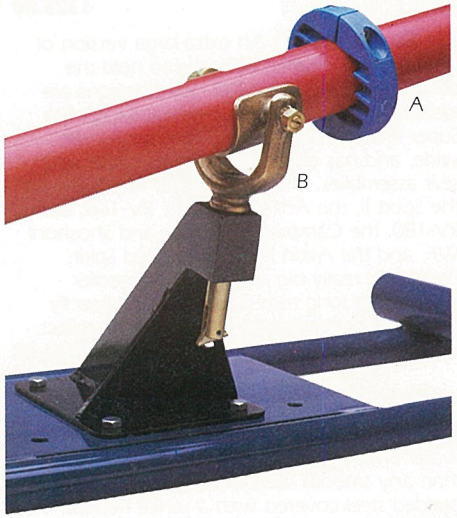
TOLL FREE ORDER LINE
800-635-5202

A **Plastic Stoppers** Plastic Stoppers allow easy adjustment of the fulcrum point on your oars. Constructed of heavy-duty plastic with locking bolts on each side, they come in two sizes with the smaller size fitting shorter wooden oars, and the larger fitting Carlisle and the longer wooden oars.

1234-Small (ship wt 12 oz) **$6.00 pr**
1236-Large (ship wt 14 oz) **$7.75 pr**

B **Dowco Oarlocks** Rugged bronze alloy Dowco Oarlocks are designed only for Carlisle oars. They have a 3 1/2" long by 5/8" diameter shaft with a built-in keeper. The shaft has a two prong horn that supports a 2" heavy duty bronze oar sleeve. Just slip in a Carlisle oar equipped with a large plastic oar stopper (#1236) and you're ready to go. Dowco Oarlocks give more variety of movement than any other system.

1229 (ship wt 4 lb) **$40.00 pr**



1/4" Nylon Rope To protect your wooden oars from open style oarlocks, we suggest 1/4" nylon rope, wrapped tightly and tacked in place with very small brads. Usually 35 ft is required for each oar.

1232 (ship wt 8oz/35ft) **$.12/ft**

Rubber Stoppers Rubber oar stoppers are used to keep wood oars from sliding through the oarlocks. To hold the stoppers in place, use a radiator hose clamp, tape, or silicone rubber cement. Not recommended for use with Carlisle Oars.

1233 (ship wt 10 oz) **$5.50 pr**

C **Carlson Oar Stirrup** You'll really appreciate Carlson's clever 1/4" polyethylene Oar Stirrups the next time your oar pops out at the top of a big drop. They rotate freely on the pin sleeve and let you guide the oar clip back onto the pin with just one hand, reducing the chances of losing an oar.

1227 (ship wt 1.5 lb) **$11.00 pr**

Pins and Clips Beginning boaters overwhelmingly prefer Pins and Clips to open oarlocks because the Pin and Clip set-up holds the oar in position and keeps the oar blade properly aligned with the water. Some maneuvers (like feathering the oars) are not possible with Pins and Clips, but the advantages make up for the limitations, particularly with heavy loads in big water. One of these advantages is the ease in returning the oar to the oarlock if it is blasted off by heavy whitewater. The set contains two 5/8" diameter Pin Assemblies, two Oar Clips, and four Hose Clamps to secure the Clips to the oars.

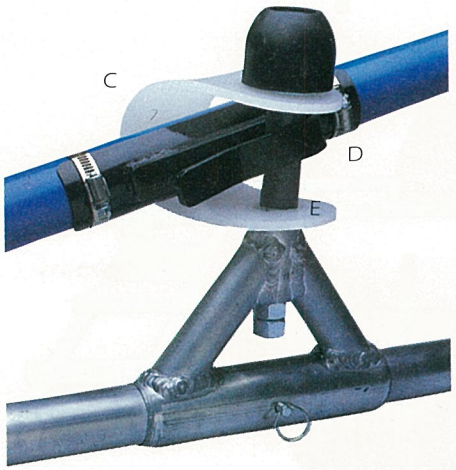
1222 (ship wt 7 lb) **$28.00 set**

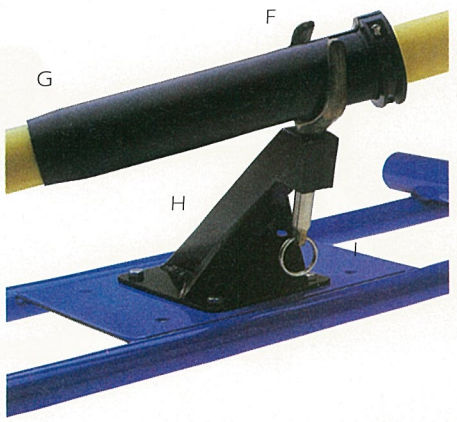
D **Extra Clip** Don't forget a Clip for your spare oar. Includes two hose clamps.

1223 (ship wt 1.5 lb) **$9.50**

E **Extra Pin Assembly** Assembly includes a 5/8" diameter bolt, protective rubber cap, lock nuts, washers, and PVC bushing.

1224 (ship wt 2 lb) **$6.95**





F **Silicon Bronze Oarlocks** The Silicon Bronze horns spring back to their original shape after being forced apart. The 5/8" diameter by 3 3/4" long shaft is drilled for a keeper; the horn opening is 2" with a 2 5/8" inner diameter. Includes a pair of #1231 Split Rings.

1230 (ship wt 2 lb) **$25.00 pr**

G **Molded Oar Sleeve** If you use Carlisle Oars and open oarlocks, try Molded Oar Sleeves instead of radiator hoses and stoppers. Sleeves are injection-molded polyethylene with integral stoppers. Slide them onto the oarshaft (heating them in a pan of warm water makes this easier), then tighten the set screw. Overall length is 11", and the inside sleeve diameter is 1 7/8"; stopper diameter is 3".

1235 (ship wt 10 oz) **$6.95 ea**

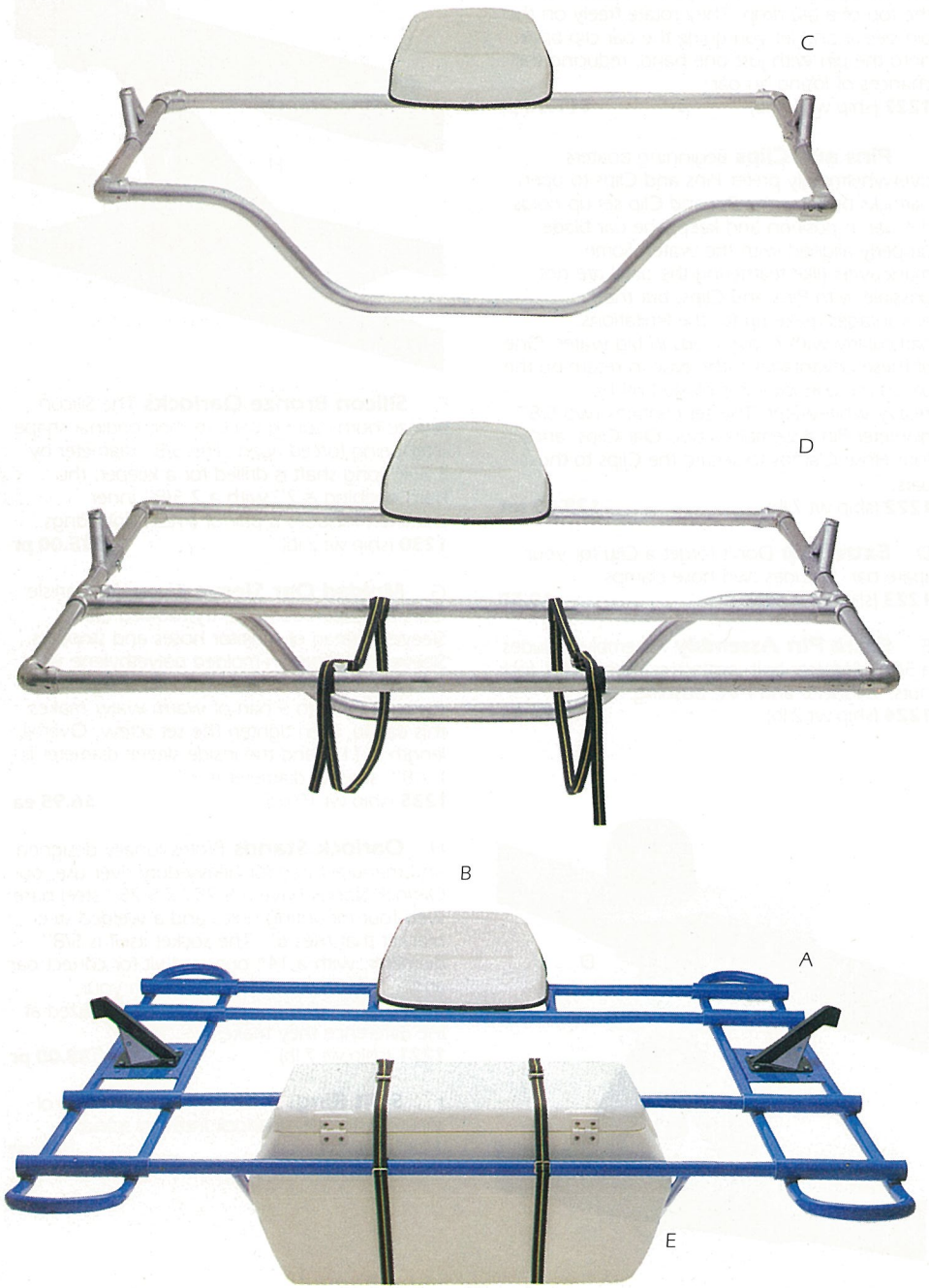
H **Oarlock Stands** Professionally designed and manufactured for heavy-duty river use, our Oarlock Stands have a 5.25" x 5.25" steel base with four mounting holes and a welded steel bracket that rises 6". The socket itself is 5/8" diameter, with a 14° outward tilt for correct oar angle. If you use oarlock stands on your homemade rowing frame, you'll be amazed at the difference they make.

1221 (ship wt 7 lb) **$38.00 pr**

I **Split Rings** A safe and sure method of securing an open oarlock into the stand.

1231 (ship wt 2 oz) **$.60 pr**

Raft Frames



A **Universal Frame** Our heavy-duty steel frame comes apart into four main pieces for convenient transport. Two side rails are formed from steel tubing and shaped to fit on top of the raft's main tubes. Two "H"-shaped crosspieces fit into sleeves on the side rails and are held in place by four fast-pins (included). The back crosspiece has a padded raft seat for the boatman. The front crosspiece has a combination foot brace and cooler cradle, plus two 9 ft straps to hold the cooler. (The #1794 80 Qt Gott Cooler fits perfectly; other coolers smaller than 35" x 17" also fit.) Oarlock stands are included, and can be bolted on to fit the oarsman.

The entire assembly is 78" long by 69"-72" wide (depending on the raft) and weighs 80 lbs. Constructed of .065 wall, 1.25", electroweld, medium carbon steel, the frame is painted with blue industrial enamel. The Universal fits rafts measuring 13'6" or longer; please specify your raft model when ordering. Shipped motor freight collect.

1064 (ship wt 90 lb) **$325.00**

Super Frame An extra-large version of our Universal Frame, designed to hold the #1798 172 Qt Gott Cooler. Specifications are identical to those of the Universal except the Super Frame measures 82" long by 77"-84" wide, and has extra bracing in its cooler and seat assemblies. It weighs 85 lbs. The Super fits the Sport II, the Achilles SV-156, RV-160, and RV-180, the Campways Havasu and Shoshoni WF, and the Avon Professional and Spirit. Perfect for really big rafts and extra cooler capacity for long trips or big crowds. Specify your raft model. Shipped motor freight collect.

1065 (ship wt 95 lb) **$365.00**

B **Padded Raft Seat** The Padded Raft Seat gives you a secure feeling when rowing in big water and keeps you positioned much better than any smooth surface seat. Made of foam padded steel covered with a white molded vinyl that reflects heat, the seat fastens to your frame with 5/16" bolts (not included).

1078 (ship wt 8 lb) **$30.00**

Aluminum Frames Strong, lightweight, elegant and affordable, our aluminum frames fit into a small and convenient package. First choice for foreign expeditions or remote fly-ins.

Assembly is quick and simple, and adjusting the frame is easy. All frame fittings are cast aluminum with recessed case-hardened set screws tightened with an Allen wrench included) 5/16" stainless steel fast pins reinforce all joints. Frame tubing is 6061 T-6 aircraft quality aluminum pipe (1 5/8" o.d.). Pins and clips or open oarlocks fit all our aluminum frames.

C **Longhorn Frames** have padded seats, aluminum oarlock stands, and a drop bar foot rest, held together with aircraft aluminum fittings. The padded seat is attached by four 5/16" bolts (included) to a welded plate with extra holes for adjusting the legroom. The Small Longhorn Frame fits rafts smaller than 13'6", has unassembled dimensions of 10" x 6" x 60" (frame members) plus the padded seat, and assembled dimensions of 38" x 60" (approx.). It weighs 28 lbs, and can be shipped UPS.

The Large Longhorn Frame fits boats longer than 13'6", has unassembled dimensions of 10" x 6" x 70" (frame members) plus the padded seat, and assembled dimensions of 38" x 70" (approx.). It weighs 29 lbs. Shipped UPS.

1069 Small (ship wt 32 lb) **$170.00**
1070 Large (ship wt 33 lb) **$175.00**

D **Bighorn Frame** The Bighorn combines the simplicity and light weight of the Longhorn with the cooler-carrying capacity of the Universal. It is easy to assemble with only six aluminum tubes and related fittings. Put it together, strap in your cooler (two 9 ft straps are included), and you're off. Packaged dimensions are 54" x 6" x 70" (frame members), plus the padded seat, and the assembled dimensions are 10" x 70" (approx.). The Bighorn Frame fits boats measuring 13'6" or longer, weighs 38 lbs, and can be shipped UPS.

1066 (ship wt 42 lb) **$250.00**

E **Gott Coolers** Fill the refreeze bottles of the 80 or the new 50 quart Gott Coolers with your favorite drink, freeze them and screw them into the cooler lid. They'll cool your food, and after melting, cool your insides. The coolers are strong and easy to carry, the lid fastens tight, and the coolers drain well. The 80 quart measures 34 1/2"L x 16"W x 15 3/8"H. The 50 quart Gott measures 25 5/8"L x 16 3/8"W x 15 3/8" H, and fits nicely in the stern compartment of the NRS Otter.

Also new is the gigantic 172 quart Gott Cooler, featuring high efficiency foam insulation to keep the contents cool longer. The Gott 172 has a handy two-part lid, and a removable, washable bin. It drains easily and the thick rope handles have cushioned grips. Gott will replace any 172 quart chest that fails through normal usage for three years from purchase date.

1799 50 Quart (ship wt 25 lbs) **$49.00**
1794 80 Quart (ship wt 25 lbs) **$89.00**
1798 172 Quart **$250.00**
(ship wt 40 lbs)(motor freight collect)

Raft Paddles We've found both the Mohawk and Carlisle paddles to be very satisfactory for rafting. They are also excellent canoe paddles. Rafters usually want longer paddles (56" to 63") in order to reach over the large buoyancy tubes of big rafts, while canoeists prefer shorter lengths. SPECIAL: BUY ANY THREE (OR MORE) PADDLES AND SAVE $1.00 OFF THE PRICE OF EACH PADDLE!

A **Carlisle Economy Paddle** The Carlisle Economy Paddle is an excellent buy if you're looking for an inexpensive, lightweight, sturdy paddle. The 8" x 20" black polypropylene blade is fully reinforced by the 1" diameter aluminum shaft, so the whole paddle is super strong. It comes with a comfortable T-grip handle and plastic sheath grip and weighs a very light 1 lb 13 oz (54" size). Available in 54" or 60" lengths.
1124-54" or 60" (ship wt 2 lb) **$10.95**

B **Carlisle STM Paddle** The Carlisle STM is favored by most outfitters because of its exceptional durability. The 8" x 20" blades are made of plastic which is resistant to UV (ultraviolet) degradation. The 1 1/8" diameter aluminum shaft is fully coated with high density polyethylene to protect the shaft from nicks, dents and corrosion. Paddle has a T-grip handle and weighs 2 lb 6 oz in the 60" size. Available in 56" or 60" lengths.
1128-56" or 60" (ship wt 2.5 lb) **$21.00**

C **Standard Mohawk Paddle** Canoe Magazine rates the Standard Mohawk a "real bargain", and we agree. The 8" x 20" blade is made of durable plastic that has good flex. A metal blade insert provides stiffness, and the blade is crimped onto the shaft to eliminate slippage. The 1 1/8" diameter anodized shaft has a heat shrink vinyl grip and T-grip handle. We offer four lengths: 54", 57", 60", and 63". The 60" length weighs 2 lbs.
1131-54", 57", 60", 63" (ship wt 2.5 lb) **$15.95**

Magnum Mohawk Paddle The Magnum is identical to the Standard Mohawk in design and construction, but boasts a 9" wide blade, making it a good paddle for those of you who like to lean into their stroke and see immediate results. Offered in 54", 57", 60", and 63" lengths. Weighs 2 lbs 2 oz in the 60" length.
1136-54", 57", 60", 63" (ship wt 2.5 lb) **$18.95**

D **Carlisle Standard Paddle** Carlisle uses a high quality polypropylene material in the 8" x 20" blade of this paddle to cut down the weight and still retain strength and durability. The aluminum shaft extends to the end of the blade and is completely sheathed with polyethylene. These features, along with the economical price, make this Carlisle's most popular paddle for both rafting and canoeing use. Carlisle's Standard Paddle has a blue shaft, yellow blade, and T-grip handle; available in 56" and 60" lengths.
1126-56" or 60" (ship wt 2.5 lb) **$14.95**

N E **Carlisle Guide Paddle** When your crew is depending on you to steer your paddle raft through a stretch of heavy whitewater, you need a paddle that you can depend on for rugged performance. The 66" Carlisle Guide Paddle is the one for the job. It features a 1.25" shaft of heavy duty aluminum clad in polyethylene. The blade is a large 8" x 26" for easy ruddering, and the 66" length is great for guiding from the elevated stern of a raft.
1140 (ship wt. 3.5 lb) **$32.25**

F **Rafter's Gloves** Rafter's Gloves are light, strong and comfortable. The palms are coated for improved grip, and the backs are meshed for ventilation. They dry quickly to reduce blisters, and the extra coating protects against rope burns. Try them for rafting, canoeing, windsurfing, or even racquetball. Sizes: S (7-7 1/2), M (7 1/2-8), L (8-8 1/2), and XL (8 1/2-9). (Send us a tracing if you're not sure of your size.)
1288-S,M,L,XL (ship wt 4 oz) **$5.75 pr**

G **Boating Gloves** If you spend a lot of time on the water, you'll appreciate the fantastic comfort and durability of the Boating Gloves. A soft gray leather palm prevents blisters and gives a firm grip on a wet paddle, while the open finger tips allow for greater dexterity when you have to untie a knot or pop open a can top. Lightweight nylon mesh on the back of the glove conforms to your hand and allows good ventilation. Also great for bicycling, driving, or any sport that demands both manual protection and dexterity. Sizes: Small (6-8), Medium (7 1/2-9), and Large (8 1/2-11).
1292-S,M,L (ship wt 6 oz) **$19.95 pr**

N **Indicates a new product**

? Call Customer Service 208-882-2383

Action Paddling
the Otter on the lower Salmon involves everyone.

Pumps

A **Carlson Pump** The Carlson barrel pumps are made of sturdy PVC components that should last a lifetime with proper care. They "breathe" through the easy-grip handle, and have a high quality leather cup and brass valve. The Carlson Pump is available in two sizes: 4" and 6 1/2" bore, both with 21" stroke and 6.5 ft non-kink hose. Lifetime guarantee.

1150 4" diameter (ship wt 9 lb) **$89.50**

1161 6.5" diameter (ship wt 14 lb) **$105.00**

B **Hand Pump** This 3.5" x 12" low volume/high pressure pump is super for topping off most any raft equipped with military style valves. If you like to travel light take this one with you down the river instead of your bulky barrel-style pump. Same quality construction as the #1149 Barrel Pump. Equipped with sturdy vinyl hose.

1160 (ship wt 3 lb) **$25.00**

C **Barrel Pump** The Barrel Pump features a tough ABS plastic body with an aluminum plunger and foot rest, precision valves, deflation port, and heavy-duty inflation hose. The nozzle fits military style valves. The 18" stroke and 5.5" bore provide rigid inflation.

1149 (ship wt 8 lb) **$72.50**

D **Metro Inflator** The Metro Inflator is a low pressure pump that both inflates and deflates, a feature not found in most blowers. The Metro operates conveniently off your car cigarette lighter and provides approximately one pound of pressure. Some boats may require topping-off after inflation with the Metro.

1162 (ship wt 4 lb) **$40.00**

E **Inflation Guage** Adequate tube pressure is necessary for successful river running, yet over-inflation can be disastrous. Use a pressure gauge to be sure your raft is inflated correctly. This medium-pressure model will do the same job as gauges costing up to $40.00, and fits all military valves.

1143 (ship wt 6 oz) **$10.00**

F **JP Pump** The inexpensive, high volume JP barrel pump is made of ABS plastic with an aluminum plunger, plastic fittings, a deflation valve, heavy-duty hose, and a molded, glued-on ABS bottom with integral foot rest. The two-part nozzle fits military style valves. Stroke 18", bore 5.5".

1146 (ship wt 6 lb) **$38.00**

G **Avon Foot Pump** Following the tradition of Avon rafts, the Avon Pump sets the highest standards in materials and workmanship. The bellows plate is 7/16" laminated marine plywood with a non-slip vinyl pad. Bellows are made of Avon Hypalon material. The heavy-duty non-kink hose is 55" long, and the nozzle fits military style valves. One year guarantee.

1156 (ship wt 5 lb) **$78.00**

H **Metzeler Pump** The Metzeler pump provides high pressure, inflating on both the down and up strokes. The handle features a handy built-in inflation gauge insuring accurate and consistent pressure from chamber to chamber. The tough, lightweight black plastic body, neoprene gasket, and 5 ft long non-kink hose have great durability, and the three-piece adapter fits military style and most other valves. Also works great for inflating Tahitis and other inflatable kayaks. 3 3/4" bore, 14" stroke. (Black color and inflation gauge not shown in photograph.)

1148 (ship wt 5 lb) **$45.00**

I **NRS Foot Pump** Built to high standards by a leading German manufacturer, the hard rubber body of this pump is molded over a steel shank to make it virtually indestructible. The 250 cubic inch volume makes for rapid inflation. Molded plate grooves provide a good grip.

The NRS Foot Pump has trevira bellows coated with tough synthetic rubber, 8"x 12" rubber coated steel foot plates, inflation/deflation ports, a 54" clear vinyl hose and a steel hinge. Either the three part plastic or the rubber adapter will fit most valves (including military valves). We've yet to find a pump that's more rugged and reasonably priced than this one.

1151 (ship wt 6 lb) **$37.50**

J **LVM Blower** The LVM Blower operates off a 12 volt battery to provide you with quick and reliable inflation. It creates up to 3 p.s.i. pressure at a volume of approximately 20 cu ft/min. British made, with prelubricated sealed bearings that never need servicing, the LVM comes complete with 9 ft cable, large battery clips, deflation port, and three different adapters that fit military style and most other valves.

1157 (ship wt 3 lb) **$75.00**

K **Big Blower** If you have access to a 110 volt, 6.5 amp AC electrical outlet (household current), this pump will inflate your raft quickly and easily. It provides up to three pounds pressure and inflates an 18 ft raft in under five minutes! The 1 h.p. motor has a 60 cubic ft per minute air output, and has a heavy-duty 30 ft cord and an on/off thumb switch. Nozzle fits military valves. One year manufacturer's guarantee. (Note: cannot be connected to a 12 volt battery.)

1158 (ship wt 11 lb) **$95.00**

L **Budget Pump** The Budget foot pump is good for use with inflatables and smaller rafts. It features a durable, non-kink, 5 ft hose, wooden bellows plates, inflation and deflation ports, and a rubberized bellows. The 3-part nozzle fits most valves. A rubber adapter is included for use with military valves.

1144 (ship wt 4 lb) **$22.50**

A **Cargo Net** We've found this to be the ideal way to secure gear in the back of a raft. The net is made of polypropylene mesh (3'' squares) bordered with a very durable 2'' polypropylene webbing. The Cargo Net is cut to the shape of a raft's stern compartment; just toss it over your gear, clip the snaps to the raft D-rings, cinch down the adjustable straps, and you're ready to go.
1384 (ship wt 4 lb) **$38.50**

B **Cargo Platform** A 24 oz PVC-coated nylon material gives the Cargo Platform enough strength to support large loads, so don't be afraid to pile on the gear. We've added D-ring attachments at each corner to make it easy to secure your bags and boxes. Six adjustable, heavy-duty 1'' webbing straps wrap completely beneath the platform for extra strength and extend a full 48'' beyond to snap onto raft D's, thwarts, or a frame assembly. The Cargo Platform is designed to fit the NRS Sport II, but it works well on most any raft 16' or smaller (longest side: 41.5''). When not in use, the platform folds down into a compact, easy to store bundle. New for 1984, we are introducing a Cargo Platform for the NRS Otter and other small rafts (32'' on its longest side).
1276 (ship wt 2 lb) for NRS Otter **$25.75**
1277 (ship wt 3 lb) **$31.50**

C **Bilge Pump** This 24'' long, 1.75'' diameter Bilge Pump is self priming and made of non-corrosive components, including a 24'' flexible hose. It features a comfortable T-grip plunger, weighs 17 oz, pumps 10 gal/minute and is the answer to your bailing problems.
1279 (ship wt l.5 lb) **$15.00**

D **Put-Out Bag** Constructed of heavy-duty nylon mesh with a full length zipper, the Put-Out Bag by Perception allows air flow around your wet gear, keeping it organized while it dries. Sturdy construction lets you cram it full of sopping gear (including bulky items like a life jacket or sneakers), and the 2'' webbing wrap-around handles make it easy to tote. Including a water-resistant pocket for smaller objects, it's a very practical bag for any river trip!
1301 (ship wt 1 lb) **$21.95**

? Call Customer Service 208-882-2383

E **CKS Yellow Jackets** If you have ever been rafting during spring runoff, you know how cold your hands can get, and realize how crucial the feel of the oar in your hand can be. Numb hands have caused many oars to slip, and Colorado Kayak Supply has developed the Yellow Jackets to solve this problem. Pile-lined nylon shell mitts wrap around the handle of the oar and have Velcro closures that keep the water out, and your warm, dry hands stay directly on the oar handles.
1309 (ship wt 1 lb) **$25.00 pr**

Boat Bags Poly-Pro Mesh fabric is a coated polyester that's not only tough and tear-proof, but also resistant to stretch, shrinkage, and degradation by UV light. To carry your raft, roll or fold it up, stand it on end, pull the bag over your boat, and draw the 1/4'' rope closure tight. The small bag measures 44'' x 60'', with a 2'' web carry handle on top. The large bag measures 54'' x 72'' with a web carry handle extending completely around the bag. Both Boat Bags are handy for keeping life jackets, wetsuits, and other gear collected, and the open weave of the fabric allows ventilation for quick drying of the contents.
1302 Small (ship wt 3 lb) **$27.85**
1303 Large (ship wt 5 lb) **$32.75**

Flip Lines Everyone knows the dangers and difficulties that can arise when a raft full of gear flips over. Guides using Flip Lines have been able to right a raft within 30 seconds of reaching the lines. The 3/8'' Prolin rope is cut in 10' or 14' lengths and stored in an orange pack cloth bag with Velcro and brass snap closures, preventing entanglement and allowing quick access in an emergency.
1286 10' length (ship wt 1 lb) **$19.50 pr**
1287 14' (for rafts 15' or longer) (ship wt 1.5 lb) **$20.50 pr**

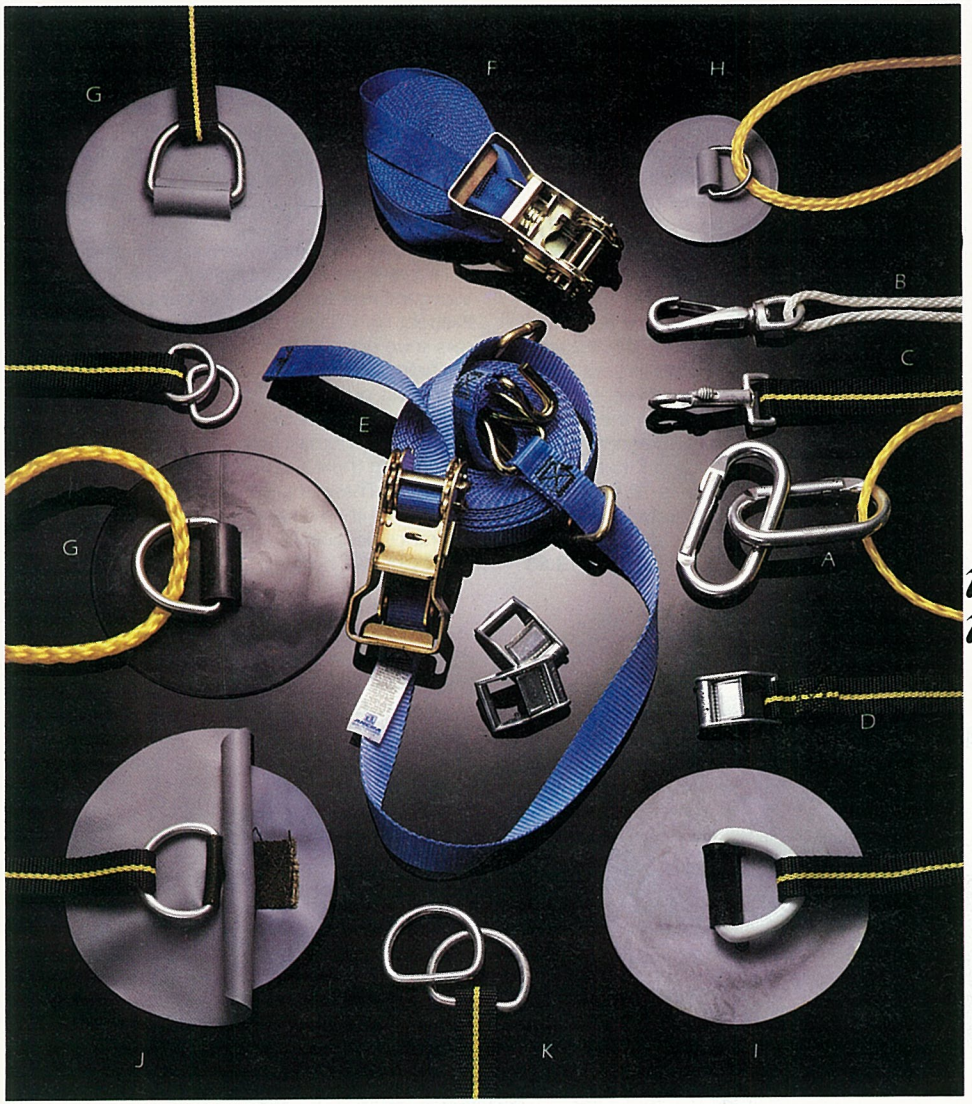
F **Otter Pocket** A nifty bag that ties onto a canoe thwart or raft frame, the Otter Pocket serves as a catch-all for the clutter in your boat. A clever elastic and Velcro closure keeps contents collected and safe through the wildest whitewater stretches. Made by Dragonfly Designs in a tough 1.9 oz rip-stop K-Kote nylon, the Otter Pocket measures 10.5'' x 15''. Assorted colors; please let us choose one for you.
1281 (ship wt 8 oz) **$13.95**

Oar For Shore If you lose an oar halfway through a stretch of class IV rapids, you'll be glad your extra oar is strapped to the raft frame with an Oar For Shore. The spare oar can be obtained immediately by pulling the Oar For Shore's red nylon tab. The improved 1984 version features more Velcro to insure stronger holding force. Sold in pairs.
1275 (ship wt 2 oz) **$10.00 pr**

Croakies When we were shooting the Inflatable shots for this catalog in the Salmon's Vinegar Creek Rapids, one of our boaters thought his Vuarnet sunglasses would grip his ears snug enough to stay with him through the big holes and standing waves, and another trusted his prescription specs to a pair of Croakies. Needless to say, the prescription specs are still on a human face, and somewhere in the Salmon there's a steelhead wearing Vuarnets. These adjustable neoprene eyeglass holders are the comfiest, most inexpensive insurance possible to avoid such a disaster.
1282 (ship wt 1 oz) **$4.00**

Potable Aqua Recent research has indicated that iodine tablets (Potable Aqua) are effective in destroying Giardia and their cysts as well as bacteria and other disease-causing organisms. Use 1 tablet/qt. Fifty tabs/bottle. EPA registered.
1791 (ship wt 2 oz) **$3.25**

Hardware



A **Carabiner** Developed originally for climbing, these carabiners make excellent boating accessories as well. Use them to clip a gear bag to a line or D-ring so it's secure yet accessible. They are made of rust-proof aluminum and stainless steel, with a spring-loaded gate that opens to accept rope sizes up to 5/8".
1262 (ship wt 4 oz) **$4.75**

B **Spring Swivel Snap** Excellent for attaching to the end of a throw line when rescuing a raft. Overall length: 4"; eye diameter: 5/8"; made of cast malleable iron.
1264 (ship wt 2 oz) **$1.75**

C **Webbing Snap** Our choice for a heavy-duty bolt snap to attach 1" webbing for tie-downs. Overall length: 3.5; eye size: .75".
1265 (ship wt 2 oz) **$1.50**

D **Heavy Duty Straps** Our Heavy Duty Straps have been used for so many varied applications that we have literally lost count of the ways we and our customers have used them. These convenient cargo restraint straps have a thumb release, spring loaded, 1" cam-action buckle with "teeth" on the cam that hold the web very securely at the desired tension. The cast alloy, rustproof buckles were designed for use in the air cargo industry and have a load capacity in excess of 500 lbs. The 1" polypropylene webbing resists weathering, abrasion, and stretching, and has a tensile strength of 500 lbs to match the buckle. Try some of these straps on your next river trip—the 3' strap is just right as a raft frame tie-down, and the longer straps do a great job lashing gear to your raft. They also work well for holding down car-top loads. For those of you that want custom length straps, more intricate cargo restraint systems, or even durable, attractive belts, we offer the Heavy Duty Cam-Action Buckle and 1" Heavy-Duty webbing separately.

1248 2 ft HD Strap (ship wt 2 oz) **$2.70**
1249 3 ft HD Strap (ship wt 3 oz) **$2.95**
1250 4 ft HD strap (ship wt 3 oz) **$3.10**
1251 6 ft HD Strap (ship wt 4 oz) **$3.60**
1252 9 ft HD Strap (ship wt 4 oz) **$4.25**
1253 12 ft HD Strap (ship wt 5 oz) **$4.75**
1254 15 ft HD Strap (ship wt 5 oz) **$5.25**
1255 20 ft HD Strap (ship wt 7 oz) **$6.45**
1256 HD Buckle (ship wt 2 oz) **$2.00**
1257 1" HD Webbing (ship wt 2 oz/8 ft) **$.25 ft**

E **Mini-Ratchet** The Mini-Ratchet assures you of a secure tie-down for large loads. Commercial outfitters use these to secure fully inflated rafts being hauled to and from the river. The Mini-Ratchet has a 20 ft long 1" HD strap (rated at a 2500 lb load capacity) and a ratchet-tightener with patented safety lock that prevents release under shock or vibration.
1258 (ship wt 2 lb) **$19.10**

F **Mini-Lash** A 15 ft long ratchet-tightened cargo tie-down rated at a 2,000 lb load capacity, the Mini-Lash is great for securing your rowboat to a trailer or holding down car-top loads. Features a built-in ratchet safety lock.
1259 (ship wt 1.5 lb) **$9.25**

G **2" D-Ring Patch** Achilles developed this rugged, one piece, molded Hypalon D-ring patch. The 6.5" patch secures a 2" stainless steel D-ring. Comes with a two-year guarantee. Order early; supplies are limited.
1239 Gray (ship wt 8 oz) **$15.00**
1240 Black (ship wt 8 oz) **$15.00**

H **1" D-Ring Patch** Same high quality as the #1239 D-Ring: a 1" stainless steel D-ring on a 3.5" gray molded Hypalon patch. Order early; supplies are limited.
1241 (ship wt 2 oz) **$6.00**

I **Otter D-Ring Patch** A 6" diameter D-ring patch made of EPDM-type material with a sewn-on 1.75" plastic-coated steel "D" which comes ready to glue on to your boat.
1242 (ship wt 4 oz) **$5.00**

J **Unglued D-Ring Patch** A 1.75" steel D-ring is secured by rugged nylon webbing sewn to a 6" bottom patch of Hypalon raft material, with a 7.5" patch of Hypalon material over the top. Just glue the top patch to the bottom patch and it's ready to glue to your raft.
1243 (ship wt 8 oz) **$5.50**

K **1.75" D's** Package of five cadmium-plated 1.75" steel D's.
1244 (ship wt 10 oz) **$2.50 pkg**

1.75" Webbing Heavy-duty webbing that can be used with the 1.75" D's and raft material to make your own D-ring patches.
1245 (ship wt 2 oz/4 ft) **$.30 ft**

1" D's Package of ten cadmium-plated 1" steel D's.
1246 (ship wt 8 oz) **$2.25 pkg**

1/4" Poly Rope This twelve-strand, diamond-braided polypropylene rope meets all American Water Ski Association specifications. Its recommended working load is 325 lbs, and if you lose it overboard, it floats. Save money by ordering a 100 foot shank.
1267 (ship wt 8 oz/40 ft) **$.13 ft**
100 ft shank (ship wt 20 oz) **$11.00**

3/8" Poly Rope This buoyant eight-strand, diamond-braided poly rope is the most all-around useful size. Recommended working load: 250 lbs. Also available in money saving 100 foot shank.
1268 (ship wt 8 oz/30 ft) **$.16 ft**
100 ft shank (ship wt 27 oz) **$14.00**

1/2" Poly Rope A 1/2" diameter rope recommended as a life line around a raft. This floating rope has eight strands and a recommended working load of 450 lb. Save with the 100 foot shank!
1270 (ship wt 1 lb/50 ft) **.18 ft**
100 foot shank (ship wt 2 lb) **$16.00**

Adhesives, Paints, and Cleaners No matter what material or adhesive you use, follow these steps when repairing a raft: 1. Cut a suitably sized patch. (Patch edges should be at least 2" from the hole on all sides). 2. Roughen the surfaces slightly (both boat and patch) with a rasp or sandpaper, then clean with raft cleaner or thinner/cleaner. 3. Apply the adhesive on both surfaces and let dry (check instructions on the glue for proper drying time). 4. When the adhesive is dried beyond tackiness, press the glued surfaces together with a roller. The more forceful the contact, the better the bond. 5. If at all possible, allow at least four hours for the patch to cure.

We have found Shore Adhesive and Carboline F-1 Neoprene Adhesive to be excellent all purpose, one-part adhesives for use on Hypalon, Neoprene, and other rubber materials. Bostik adhesive is two-part (separate glue and accelerator which you mix before applying) and recommended by Avon for use with their boats.

Painting a raft prolongs material life by providing abrasion resistance and protection from ozone and UV deterioration. The Aluminum Coating is the easiest to use because it is a bit thinner, while the thicker Gray Coating provides a little more abrasion protection. Since neoprene coatings don't bond well to Hypalon, we recommend their use only on rafts manufactured in neoprene or EPDM (like Udiscos or the NRS Otter). Use the GACOflex Hypalon Coating for painting Hypalon rafts (it can also be used on neoprene or EPDM surfaces). We offer it in sky-blue, especially suited for use on the Campways River Riders. Figure on one gallon of coating to cover the tubes of a large raft. Thinner/cleaner, as the name implies, is used to thin the coatings and also to clean the raft before painting or patching. CAUTION: Be sure to allow adequate drying time (up to a week) after painting. (NOTE: all these items are flammable and can only be shipped surface UPS or motor freight.)

A **Carboline Adhesive**

1166 3 oz tube (ship wt 4 oz)	**$3.25**
1167 Pint (ship wt 1.5 lb)	**$6.50**
1168 Quart (ship wt 2.5 lb)	**$11.00**

Bostik Two-Part Adhesive

1163 1/4 liter (ship wt 1 lb)	**$10.00**

B **Shore Adhesive**

1164 Pint (ship wt 1.5 lb)	**$7.00**
1165 Quart (ship wt 2.5 lb)	**$12.00**

GACO Aluminum Coating

1172 Quart (ship wt 2.5 lb)	**$14.00**
1173 Gallon (ship wt 9 lb)	**$45.00**

GACO Gray Coating

1174 Quart (ship wt 2.5 lb)	**$14.00**
1175 Gallon (ship wt 9 lb)	**$45.00**

GACOflex Blue Coating

1176 Quart (ship wt 2.5 lb)	**$16.00**
1177 Gallon (ship wt 9 lb)	**$46.00**

Black Lettering Paint

1178 Quart (ship wt 2.5 lb)	**$14.00**

Raft Material Prices are per running foot. See the Raft Chart (p 10) and the individual raft descriptions (pp 2-9 for detailed specifications).

No.	Type	Color	Width (Inches)	Ship Wt	Price (Per Ft)
1195	Otter	Gray	53	1 lb	**$7.00**
1196	Otter Floor	Black	53	1 lb	**$8.00**
1192	Pioneer	Red	52	1.25 lb	**$11.50**
1197	River Rider	Blue	52	1 lb	**$8.60**
1198	River Rider Floor	Black	55	1.25 lb	**$11.25**
1201	Campways	Gray	55	1.5 lb	**$11.50**
1202	Campways Floor	Black	55	1.75 lb	**$13.00**
1203	Sport	Gray	42	1.5 lb	**$11.00**
1204	Achilles Floor	Black	42	1.75 lb	**$12.50**
1205	Avon	Gray	56	1.25 lb	**$13.00**
1206	Avon Floor	Gray	56	1.75 lb	**$19.45**
1208	PV	Yellow	42	1.25 lb	**$11.00**
1210	SV	Red	42	1.5 lb	**$13.00**

All adhesives, thinners, cleaners, and coatings are toxic and must be kept out of the reach of children.

C **Sewing Awl** Useful for repairs of all kinds. A pair of needles and 20 yds of thread pack neatly into the wooden handle for easy access and storage.

1215 Awl (ship wt 4 oz)	**$4.50**
1216 Extra Needles (ship wt 1 oz)	**$2.00 pr**
1217 Extra Thread (ship wt 1 oz)	**$1.25**

D **Pro Roller** The large wooden handle of the Pro Roller is more comfortable than the #1211 Roller, so it's better for those big repair jobs.

1212 (ship wt 4 oz)	**$4.50**

E **Roller/Rasp** With this handy repair instrument, you can rasp the material before applying glue, then run the roller over the patched surface to get a good bond.

1211 (ship wt 2 oz)	**$1.95**

Duct Tape Duct Tape is indispensable for quick repairs of all kinds on or off the river. Roll measures 1.5" x 60 yds.

1214 (ship wt 2 lb)	**$6.50**

F **Repair Kits** All kits include a 6" piece of material, a roller rasp, an assortment of small patches, patching instructions, and 3 oz tube of Carboline adhesive, packed in a wide-mouth Nalgene poly bottle. Flammable; no parcel post or air shipments please.

No. Material	Price
1185 Otter (ship wt 1 lb)	**$12.00**
1187 River Rider (ship wt 1 lb)	**$12.50**
1184 Pioneer (ship wt 1 lb)	**$13.00**
1189 Campways (ship wt 1.5 lb)	**$13.50**
1190 Sport II(ship wt 1.5 lb)	**$13.50**
1191 Avon (ship wt 1.25 lb)	**$14.50**
1182 PV (ship wt 1 lb)	**$13.25**
1183 SV (ship wt 1.5 lb)	**$13.50**

Wear Patch Material Textured synthetic rubber (about 1 mm thick) for frame wear patches. Also use for a floor seam protector and to give paddlers stable seating on slick rafts. 9" wide. Sold by the running foot.

1194 (ship wt 6 oz/ft)	**$.75 ft**

G **GACO Thinner/Cleaner**

1170 Quart (ship wt 2.5 lb)	**$8.95**
1171 Gallon (ship wt 9 lb)	**$21.95**

Raft Cleaner A high quality product formulated especially to prepare the surfaces of inflatable rubberized boats for repair or painting. It will not work as a paint thinner.

1179 Pint (ship wt 1.5 lb)	**$3.50**
1180 Quart (ship wt 3.5 lb)	**$6.00**

Bags / Cases / Rescue Ropes

A **Rescue Bag** An excellent throw-line Rescue Bag by Wildwater Designs that meets the demands of many professional river outfitter organizations, the Rescue Bag features 70 ft of tangleproof buoyant 3/8'' polypropylene line in a high visibility yellow nylon bag. It's guaranteed for two years against defects in materials and workmanship. Quick-reference instructions are printed on the bag.
1305 (ship wt 2 lb) **$30.00**

C **Res-Q-Belt** The Res-Q-Belt is a personal rescue system Dragonfly Designs developed for professional paddleboat guides. The 8'' x 8'' bag is worn as a belt; when it's needed, just unsnap the Fastex buckle, grab the top of the rope, and let fly. The Res-Q-Belt is constructed of high visibility orange nylon pack cloth with 20' of non-tangling, floating nylon rope. Great for close-proximity rescues.
1308 (ship wt 2 lb) **$24.95**

D **Voyageur's Airvelope** An excellent way to keep your delicate camera equipment dry and safe. The two-layer bag of 20 mil vinyl provides an inner storage compartment that is surrounded by an inflatable outer bag. The inner storage compartment features a roll down closure which is secured by stainless steel twist lock fasteners. The 15'' x 16'' storage area also has an air release valve which allows the outer bag to mold a pillow of air for custom-fit protection. Has four steel grommets for tie-downs.
1368 (ship wt 2 lb) **$27.50**

F **Guard Box** Constructed of tough ABS plastic with a replaceable neoprene seal, the bright yellow Guard Box will float up to four pounds, and features molded-in guards to protect against damaged latches and accidental opening. Interior dimensions: 3'' x 4.75'' x 7.5''. With its optional 3'' thick ''Pluck n' Fit'' foam insert, you can protect small, delicate objects from shock and bumps. One year workmanship guarantee.
1377 Guard Box (ship wt 1.5 lb) **$14.95**
1378 Foam Insert (ship wt 1 lb) **$4.00**

G **Perception Pouch** Cleverly designed with a double-thick vinyl lining for good watertight protection, the Perception Pouch opens to an 8.5'' x 5.5'' x 1.5'' waterproof interior, and seals with a fold-down Velcro tab closure. The sewn-on belt loops enable you to slip the pouch onto a lifejacket strap or belt. It's perfect for small personal items like wallets, watches, or Instamatic-sized cameras.
1376 (ship wt 8 oz) **$14.50**

Hunk-A-Rope ''...a spare coil 200 feet in length should always be at hand.''—Bill McGinnis, Whitewater Rafting. This 200' length of 3/8'' hollow-brade polypropylene rope, coiled and ready in your raft, can help you in many situations. Buy it by the hunk and save 2¢ a foot.
1269 (ship wt 2 lb) **$28.00**

Res-Q-Rope This quality product from Dragonfly Designs has a buoyant orange nylon bag with 75 ft of 3/8'' solid braid rope (2000 lb test). The ends are treated with nonslip material, and the web loop with a Fastex Snap ensures quick access. One year guarantee.
1304 (ship wt 2 lb) **$44.00**

NRS Rescue Rope Every raft, kayak, and canoe on the river should be equipped with a rescue rope. The NRS Rescue Rope comes in a bright yellow floatable bag which has 65 feet of floating orange rope. For more information, see the description on the order blank on page 16.
1307 (ship wt 2 lb) **$22.00**

B **Perception Drytek** The Drytek is a larger version of the popular Perception Pouch, measuring 11'' x 15''. Featuring Fastex hardware, a shoulder carrying strap, and a heavy vinyl roll down liner, the Drytek is just right for those things you want to keep waterproof and close at hand.
1383 (ship wt 2 lb) **$24.50**

Map Case This clear 8 mil vinyl waterproof case with two corner grommets and ziplock closure is great for maps and river guides. 6.75'' x 10''.
1375 (ship wt 4 oz) **$3.00**

E **Sima Sports Pouches** Constructed of 20-gauge PVC with an improved ziplock/Velcro closure, the Sima Sports Pouch is the perfect river protection for your valuables. Seal and secure the waterproof closure, inflate the air chambers around your valuables, and the Sima Sports Pouch will provide shock-resistant, waterproof, buoyant protection for anything you're afraid might get smashed, soaked, or sunk in the rapids. The regular (12'' x 14'') will float ten pounds of equipment, and the Super (17'' x 17'') will keep up to twenty pounds afloat. The 36'' adjustable strap includes a clip so it can be snapped around a thwart.
1371 Sports Pouch (ship wt 1.5 lb) **$18.95**
1372 Super Sports Pouch (ship wt 2 lb) **$24.95**

H **Ultralight Shut-Her Dry** Voyageur's has combined durable 200 denier urethane coated nylon with their quick open-and-shut slide closure to create superior protection for your expensive camera. Inflatable double-walls provide flotation, protect the watertight inner chamber, and allow you to use the bag without reinflating it after each opening. The 12'' x 12'' x 3'' chamber will hold a 35 mm camera and several lenses. The Shut-Her-Dry is bright yellow for good visibility and has four corner grommets for tie-downs. Comes with Voyageur's lifetime guarantee against defects in workmanship and materials.
1374 (ship wt 12 oz) **$35.00**

I **Pelican Case** The Pelican Case is not only the world's best waterproof case, but is quite inexpensive. Totally watertight, airtight, and dustproof, the lightweight, attractive, and tough thermal plastic Pelican Case will float with 40 pounds of equipment inside. Customize your case with ''pluck-n-fit'' foam to get ultimate protection for camera, lens, or anything fragile. (Alaskan bush pilots use them for survival kits.) Carry it by the built-in handle or with the adjustable shoulder strap. Interior dimensions measure 17 1/2'' x 11 7/8'' x 6 1/2''. One year guarantee against defects in workmanship.
1379 Silver grey (ship wt 9 lb) **$84.95**
1380 Charcoal black (ship wt 9 lb) **$84.95**

Handbook of the Middle Fork of the Salmon
Handbook to the Rogue River
Handbook to the Deschutes James M. Quinn, James W. Quinn, and James King use a rich combination of ground and air photos, drawings, and detailed river logs to describe their favorite rivers. Each of their handbooks includes a mile-by-mile guide to the river's rapids with accompanying sections on river history, flora, and fauna. Spiral bound.

1596 Middle Fork (ship wt 1.5 lb) **$15.00**
1604 Rogue (ship wt 1.5 lb) **$12.00**
1606 Deschutes (ship wt 1.5 lb) **$12.00**

Grand Canyon River Guide
Dinosaur River Guide
Canyonlands River Guide
Desolation River Guide Buzz Belknap's waterproof river guide format has proven to be an attractive and concise method of displaying river information. Each guide features detailed maps with liner notes and photos. **Grand Canyon** covers the Colorado River from Lee's Ferry to Lake Mead; **Dinosaur** the Flaming Gorge and Dinosaur National Monument (Lodore Canyon and Split Mountain of the Green River, Yampa River, etc.); **Canyonlands** the Green River from Green River, Utah, to its confluence with the Colorado and the Colorado River from Westwater through Cataract to Lake Powell, and **Desolation** the Green River from Uinta Basin through Desolation and Gray Canyons.

1610 Grand Canyon (ship wt 8 oz) **$10.95**
1611 Dinosaur (ship wt 8 oz) **$10.95**
1612 Canyonlands (ship wt 8 oz) **$10.95**
1613 Desolation (ship wt 8 oz) **$10.95**

Snake River Guide Verne Huser and Buzz Belknap's guide is full of lore and valuable river information. It covers the upper Snake from Yellowstone's south entrance through Jackson Hole and Alpine Canyon to the Idaho state line. 72 pages.

1599 (ship wt 8 oz) **$6.95**

Whitewater Rafting Indispensable for the beginner and a complete handbook for the expert. Includes chapters on equipment, reading and running whitewater, emergencies and first aid, food, cooking, and camping. The latter half of the book covers selected American rivers by regions. 361 pp, illustrated.

1575 (ship wt 1.5 lb) **$8.95**

You, Too, Can Canoe This great book by John Foshee is an encyclopedia of information on virtually every aspect of canoeing. Numerous photos and drawings. Hardbound, 435 pages.

1585 (ship wt 2 lb) **$9.95**

The Middle Fork and Sheepeater War
River of No Return
Snake River of Hells Canyon Written by John Carrey and Cort Conley, with help from Ace Barton on the Hells Canyon book, each book combines fascinating local history with a river guide. **Middle Fork** includes a narrative of the Sheepeater Indian War while **River of No Return** covers the Main Salmon from its headwaters to the confluence with the Snake. **Snake** covers from Helis Canyon to Lewiston, Id.

1595 Middle Fork (ship wt 1 lb) **$9.95**
1597 No Return (ship wt 1.5 lb) **$10.95**
1598 Snake (ship wt 1.5 lb) **$12.00**

Idaho River Tours
Oregon River Tours John Garren's books include maps, river logs, and photographs. **Idaho** covers all parts of the Salmon and the Hells Canyon of the Snake. Thirteen river tours are described in **Oregon.**

1594 Idaho (ship wt 8 oz) **$5.95**
1601 Oregon (ship wt 8 oz) **$6.95**

The Path of the Paddle For those who love canoes and canoeing, Bill Mason's Path of the Paddle is a delight. His lively prose entertains as it instructs and is complemented by numerous photographs (many in color) and diagrams. There's much more than just the instructional here, for he lovingly captures the beauty of the canoeing experience in words and pictures that will make you yearn to be on the water again. A beautiful book; highly recommended. Paperback, 200 pages.

1584 (ship wt 2 lb) **$16.95**

The Colorado River in Grand Canyon—A Guide At last, a true labor of love dedicated to this most magnificent river run. Larry Stevens' book features concise introductions to weather, geology, human history, and river running. Most important is the complete river strip map which includes campsites and scouting points. The clear, concise exposition of the geology is great and the river guide section is superb.

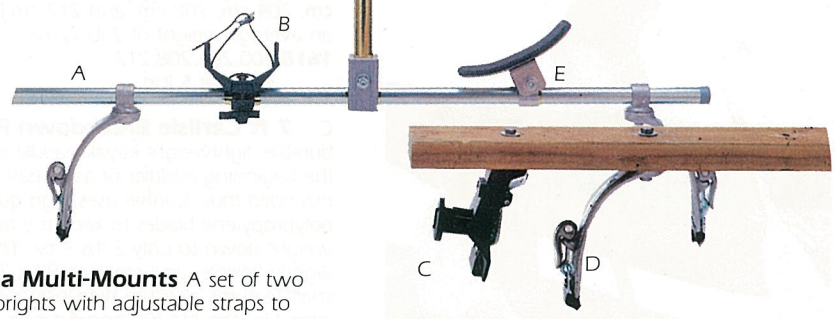
1605 (ship wt 1.5 lb) **$11.25**

Rivers of the Southwest: A Boater's Guide to the Rivers of Colorado, New Mexico, Utah and Arizona. In this comprehensive 129 page guide to southwestern rivers, Anderson & Hopkinson recount their many river adventures. Highly recommended if you are considering a float trip to this area.

1582 (ship wt 1.5 lb) **$13.95**

A **Quik N-Easy Carriers** They feature two 1" zinc-plated steel tubes and four solid cast aluminum brackets that tighten directly on your rain gutter with a clever over-the center latch to hold the carrier securely on your vehicle. Quik-N-Easy brackets and carriers work only on cars with rain gutters. The 48" bar size is for compact cars.

1739 48" (ship wt 10 lb) **$40.00**
1740 60" (ship wt 12 lb) **$44.00**
1741 78" (ship wt 25 lb) **$50.00**



B **Yakima Multi-Mounts** A set of two U-shaped uprights with adjustable straps to secure skis, windsurfing masts, paddles, and similar sports equipment. One set will carry a pair of skis or three paddles.

1736 (ship wt 12 oz) **$11.00 pr**

C **Yakima Tower** Yakima's Tower system gives you a strong, lightweight car top carrier that's specifically designed for a better fit but avoids finish damage sometimes caused by "foot" system carriers. Made of glass-reinforced nylon plastic, the Towers are corrosion-proof and more shock-absorbent than metal. They clamp directly on to your car's rain gutters and tighten with an adjustment wheel for a secure fit. Bolt them to 2 x 4 wood crosspieces for a sturdy carrier. The set includes four brackets and all necessary hardware.

1738 (ship wt 4 lb) **$38.50 set**

D **Quik-N-Easy Brackets** The Quik-N-Easy cartop bracket is the simplest and most durable available. They are high quality cast aluminum, with plastisol-covered foot and gutter hooks to protect your car's finish. Install your own platform or cross members (2x4s work nicely) and you're ready to go. Each set includes four brackets with necessary hardware.

1743 (ship wt 4.5 lb) **$27.70 set**

E **Yakima Kayak Saddles** This set of four neoprene-lined saddles attaches to the front and back bars of a carrier, providing a safe and practical way to carry your kayak. The saddles conform to the shape of the hull. Four saddles will cradle one boat alone, or two boats if you use the #1732 stacker.

1733 (ship wt 2 lb) **$18.50 set**

F **Yakima Stackers** With this 20" aluminum upright clamped to a carrier cross-bar, you can stand your boat on its edge and secure it to the carrier crossbar and through the nylon tie-down loop at the top of the Stacker, greatly increasing your carrying capacity.

1732 (ship wt 2.5 lb) **$28.00 pr**

The Whitewater River Book Highly recommended! Ron Watters' book is filled with river lore written in a most entertaining style, and covers tripping by kayak as well as by raft. Large format paperback with 204 pages and over 300 B & W photos and illustrations.

1576 (ship wt 1.5 lb) **$12.95**

River Camping In River Camping, Verne Huser shares with whitewater enthusiasts and armchair paddlers alike the how-to of getting the most out of a river camping trip. Large format, beautifully produced, with over 150 photographs. 154 pages.

1583 (ship wt 1 lb) **$12.95**

Rocky Mountain Kettle Cuisine Sheila Mills' Dutch Oven recipes are sure to make you the best cook on the river. Dozens of delicious ideas from breakfast to dessert, plus use and care of your aluminum or cast iron dutch oven. 91 pages.

1614 (ship wt 12 oz) **$7.95**

Floater's Guide to Montana Hank Fischer's all-purpose guide will interest canoeists, kayakers, rafters, and especially fishermen. Not only does he provide maps and river guides, but he also includes wildlife lore and conservation information. 152 pages.

1600 (ship wt 12 oz) **$6.95**

Paddles

A **Iliad Take-Apart Paddle** The Iliad paddle has proven its quality and durability for many years. The two-piece take-apart paddle features a very secure watertight joint held by a recessed Allen screw (wrench included). The aircraft aluminum shaft is ovaled to help you position your hand in an Eskimo roll, and it's coated with non-slip vinyl for a sure grip. The flat blades are made of pressure-molded, chip resistant fiberglass, and measure 8.5" x 22". Available in 82", 84", and 86" lengths. The 84" length weighs 3 lb 12 oz.
1626-82", 84", 86" (ship wt 6 lb) **$109.95**

B **Harmony Take-Apart Paddle** The Harmony Take-Apart is a portable, strong, and lightweight paddle. Its curved spoon blade (8" x 18") is great for precise maneuvering, and is constructed of epoxy-impregnated fiberglass cloth with an internally laminated aluminum tip for greater durability. The ovaled shaft helps you orient your hands on the paddle, and its slight flex absorbs paddling shock. The locking push-button center joint lets you set the paddle for left or right hand control. Available in 200 cm, 204 cm, 208 cm, and 212 cm lengths at an average weight of 2 lb 12 oz.
1618-200,204,208,212 (ship wt 5 lbs) **$124.95**

C **7 ft Carlisle Breakdown Paddle** This durable, lightweight kayak paddle is great for the beginning paddler or as a spare for extended trips. Carlisle uses high quality polypropylene blades to keep the total paddle weight down to only 3 lbs 4 oz. The blades are slightly flexible, and measure 8" x 20". The shaft features a secure slide-lock push button joint. Use the #1630 Long Adapter Handles to convert this paddle into two T-grip 60" canoe/raft paddles, or two 54" paddles with the #1729 Handles.
1629 Paddle (ship wt 4 lb) **$29.95**
1630 Long Adapters (ship wt 1-1/2 lb) **$9.95 pr**

Helmets

D **Cooper "2000" Helmet** Cooper's completely adjustable helmet fits size 6-5/8 to 7-3/4 perfectly, even when wearing a helmet liner or wetsuit hood. It features a tough, resilient polyethylene shell and a high-density Absorbex foam liner. Approved by the Canadian Standards Association and the Swedish Ice Hockey Federation. Gold or blue.
1672 Gold (ship wt 1.5 lb) **$30.50**
1673 Blue (ship wt 1.5 lb) **$30.50**

E **Pro-Tec Helmet** Pro-Tec's lightweight, secure-fitting helmet has a plastic shell and removable foam liner that ensures comfort and protection. Drain and ear openings make this a fine whitewater helmet. Includes chin strap. Sizes: S (up to 6-3/4), M (6-7/8 to 7-1/8), L (7-1/4 to 7-1/2) XL (7-5/8 +). Offered in yellow and blue.

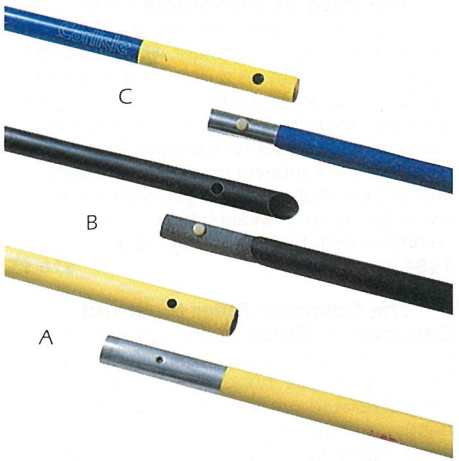
Please use the following procedure when selecting your Pro-Tec helmet. Measure around your head above the brow with a cloth tape, then convert inches to the correct size: 20-3/8" = 6-1/2; 21-1/8" = 6-3/4; 22" = 7; 22-3/4" = 7-1/2.
1660-S,M,L,XL Yellow (ship wt 1.5 lb) **$33.95**
1668-S,M,L,XL Blue (ship wt 1.5 lb) **$33.95**

Spray Skirts

Please take note of the cockpit size limitations in the spray skirt description. To select the proper spray skirt for your boat, measure under the kayak cockpit rim with a cloth tape.

Super Spray Skirt Our most popular skirt features rugged 1/8" nylon/neoprene with overlapped and glued seams. It has a grab loop in front and a spine pad in the back so you can roll and paddle in comfort. It fits kayaks with cockpits measuring 73" or less in circumference. Waist sizes: S (up to 30"), M (31" to 36"), L (37" to 42"), XL (42" +).
1646-S,M,L,XL (ship wt 1.5 lb) **$36.95**

F **Maxi Spray Skirt** This Maxi offers the same workmanship and construction as the Super, but is cut to fit kayaks with cockpits greater than 73" in circumference. Waist sizes: S (up to 30"), M (31" to 36"), L (37" to 42"), XL (42" +).
1650-S,M,L,XL (ship wt 1.5 lb) **$37.95**



G **Harmony Spray Skirt** A high quality spray skirt that's designed specifically for use on the "plastic" kayaks that have recently become popular. The Harmony features a flexible, molded rubber gasket that provides a cockpit seal that is not prone to slippage. Constructed of 1/8" neoprene, the material has nylon inside and out for extra durability, with all seams glued and blind-stitched on both sides. Fits boats with cockpits larger than 73". Waist sizes S (24" to 28"), M (28" to 32"), L (32" to 36"), XL (36" to 40").
1654-S,M,L,XL **$59.95**

Flotation

Buoyant Force Kayak Float Bags These are good quality, economical flotation bags for kayaks without center pillars. The bow and large stern bags are constructed of 15 mil tan vinyl with an inflation hose, large deflation valve, and heat-sealed seams. Set of two bags weighs 2 lbs 7 oz.
1632 (ship wt 3 lb) **$25.00 set**

Buoyant Force Kayak Split Float Bags This four piece flotation set is designed for kayaks with center pillars. The two bow bags and two large stern bags are made of quality 15 mil tan vinyl with heat-sealed seams. All bags have inflation hoses and the stern bags also have a large deflation valve. Set weighs 2 lbs 14 oz.
1633 (ship wt 3 lb) **$32.00 set**

Ethafoam Blocks Kayakers use ethafoam for seats and pillars, rafters for seats and floor protection, canoeists for extra flotation. Blocks measure 2" thick x 12" wide x 54" long and weigh only two lbs. You'll need two blocks for a full kayak pillar system.
1678 (ship wt 2 lb) **$15.75 blk**

Voyageur's Sto-Floats This is the first choice in flotation storage systems for kayaks without center pillars. Sturdy blue 20 mil vinyl and heat-sealed seams give many years of dependable service. The set weighs 4 lbs 9 oz and includes one bow storage bag with inflation hose, and one large stern storage bag with inflation hose and rapid deflation valve.
1635 (ship wt 5 lb) **$45.00 set**

Voyageur's Split Sto-Floats This set offers storage in the two stern bags. Designed for boats with center pillars, they have the same high quality construction as the #1635 Voyageur's bags. The set weighs 5 lbs 6 oz.
1636 (ship wt 6 lb) **$50.00 set**

10" Foot Braces Low-flange Yakima foot braces are constructed of aircraft aluminum, have a full 7" adjustment range, and attach easily to your kayak. There is a spring release for easy one-hand adjustment and channels have openings to prevent build-up of sand and grit.
1677 (ship wt 1.5 lb) **$22.50 pr**

Canoe Paddles A quality wood paddle can mean the difference between fun and drudgery when you're paddling all day long. The length you need depends on several considerations (height, arm length, paddling position, etc.), but mostly on what feels best to you. With experience, many people find that the shorter lengths are better. These Sawyer paddles made in Rogue River, Oregon feature quality workmanship and materials, including fiberglass-covered blades with hardwood tips, comfortable uni-grip handles, and oval laminated shafts. For Carlisle and Mohawk paddles, see Rafting Paddles, p 15.

A **Carlisle Bent-Shaft Paddle** The unique shallow spoon blade of this bent shaft paddle gives excellent power to each stroke with very little drag. The blade is reinforced with marine aluminum, and the polyethylene-covered aluminum shaft locks into the blade insert with a sliding push-button that allows easy disassembly. Lengths 52'' and 54''.
1696-52'' or 54'' (ship wt 2 lb) **$27.50**

B **Sawyer Whitewater Paddle** Sawyer's top-of-the-line wooden paddle is designed for the serious whitewater open canoeist or C-1 paddler. The 12-piece laminated blade measures 8 1/2'' x 22'', is 1/4'' thick, and has a special fiberglass tip reinforcement for extra protection. Lengths: 54'' or 60''
1691-54'' or 60'' (ship wt 2 lb) **$39.00**

C **Sawyer Canoe Paddle** The SCT-8 has a laminated 7 1/2'' wide reinforced blade and a laminated oval shaft, both coated in a durable marine finish. Sturdy enough for use in all but the most demanding whitewater. Lengths: 54'' or 60''.
1689-54'' or 60'' (ship wt 2 lb) **$27.50**

Sawyer Bent Shaft Paddle They look strange and may take some getting used to, but these paddles are super for flatwater paddling. The 15° bend in the shaft lets you paddle with more comfort, and the laminated 14-piece 9'' x 21'' reinforced blade delivers great propulsion. Lengths: 52'' or 54''
1693-52'' or 54'' (ship wt 2 lb) **$40.00**

9 ft Carlisle Breakdown Paddle Carlisle's breakdown paddle comes in a 9 ft length that's excellent for solo canoeing and weighs a reasonable 3 lbs 12 oz. For more information, see the 8 ft Carlisle Breakdown Paddle (#1728) on p 9. Use the #1729 Short Adapter Handles to make a pair of 66'' paddles.
1698 (ship wt 4 lb) **$29.95**

Canoe Floats Designed to provide open canoes with complete flotation for running whitewater, float bags displace their volume in water to help lessen the possibility of swamping. Should the worst happen and you dump your boat in a rapid, retrieval is much easier because your boat is filled mostly with air, not water!

Buoyant Force Their canoe floats are manufactured in 15 mil tan vinyl and are equipped with 18'' inflation hoses, rapid deflation valves, and tie-down grommets. These bags are guaranteed against defects in workmanship and materials for one year.

Buoyant Force Canoe Float This is a big 3' x 5' bag to fill the center of your canoe with extra flotation. Fits most canoes, except those with center upright bracing.
1699 (ship wt 3 lb) **$25.00**

Buoyant Force Maxi Splits Set of two floats each measuring approx. 24'' x 60'' for center flotation in canoes equipped with upright bracing.
1700 (ship wt 5 lb) **$32.00 set**

Buoyant Force Solo Floats Set of two bags tapered so they fit snugly into the bow and stern compartments of most canoes. Each bag measures approx. 37'' (W) x 60'' (L).
1703 (ship wt 5 lb) **$45.00 set**

Voyageur's Constructed of 20 mil blue vinyl, Voyageur's floats are equipped with 8'' inflation hoses, rapid deflation valves, and tie-down grommets. All Voyageur's products come with a lifetime guarantee against defects in workmanship and materials.

D **Voyageur's Maxi Splits** A pair of large rectangular bags that provide center flotation. These floats fit canoes with center upright bracing. Dimensions: 22'' (W) x 68'' (L). Set includes two bags.
1701 (ship wt 6 lb) **$45.00 set**

Vynabond The adhesive of choice for vinyl D-rings. (Flammable; no parcel post or air shipments, please).
1710 (ship wt 3 oz) **$2.75**

TOLL FREE ORDER LINE
800-635-5202

Voyageur's Solo Floats One of these large, tapered bags will completely fill the bow section of most 16' or 17' canoes. With another bag placed in the stern you have complete flotation for solo paddling. Dimensions: 15'' (widens to 36'') x 60'' (L). Set includes two bags.
1702 (ship wt 6 lb) **$54.00 set**

Voyageur's End Bag Floats These small, tapered bags are used for bow and stern flotation when paddling with a partner. They fit most ABS and fiberglass canoes, but don't fit boats with built-in bow and stern flotation chambers. Dimensions: 14.5'' (widens to 24'') x 32'' (L). Set includes two bags.
1704 (ship wt 3 lb) **$33.00 set**

E **Neoprene Knee Pads** If you like to paddle while kneeling, use knee pads. They lessen knee strain considerably and don't cut into the backs of your legs. Comfortable 1/8'' nylon/neoprene with a sewn nylon patch.
1707 (ship wt 8 oz) **$15.00 pr**

F **Canoe D-Rings** Steel welded D's sewn on to vinyl patches of 22 oz gray PVC/Dacron. The Canoe D has a 1'' welded D-ring on a 4'' patch; Super D has 1.75'' D on a 6'' patch and makes a perfect thigh brace attachment point. Both are useful for tie-downs on ABS canoes, Tahitis, and vinyl bags. Attach with #1710 Vynabond.
1708 Canoe D (ship wt 2 oz) **$2.25**
1709 Super D (ship wt 4 oz) **$3.75**

River Wear / Camping

A **Boater's Jacket and Pants** Blue Puma has built a solid reputation by combining innovative design, quality materials, and careful construction in all their outdoor gear, and their Boater's Jacket and Pants are in keeping with this tradition of excellence. Made of coated taffeta, both Jacket and Pants will shed rain and wind to keep you comfy in the worst weather conditions.

The pullover Boater's Jacket features a cozy pile-lined collar which zips up snugly when you need the warmth, or opens for good ventilation. The double front pocket provides zippered storage and a pile-lined handwarmer pouch. Elasticized cuffs with sturdy brass snaps complete your comfort. Royal Blue.

1514-XS,S,M,L,XL (ship wt 1 lb) **$40.00**

The Boater's Pants have 6 oz pack cloth reinforcement where you really need it—in the seat and knees. The Pants open wide at the waist and ankles so it's easy to pull them on or off. The elasticized waist is secured with snaps and locking zippers, and the ankles have a snug Velcro closing. There's also a handy bellows thigh pocket. Waist sizes: S (26''-28''), M (30''-32''), L (34''-36''), XL (38'' +) Royal Blue.

1519-S,M,L,XL (ship wt 1 lb) **$42.00**

B **Sling-Light Chair** The Sling-Light is the Cadillac of folding camp chairs. Constructed of aluminum alloy seamless tubing with a ''sling'' style ripstop nylon padded seat, the stable tripod design supports 250 pounds with ease and folds flat (27''L x 16''W x 1.5''D) for easy transport. For the ultimate in campfire comfort, snap on the optional headrest.

1781 Chair (ship wt 1.5 lb) **$46.00**
1782 Headrest (ship wt 8 oz) **$14.00**

C **Sun Showers** A vinyl solar water heater which lets you pamper yourself in the middle of the wilderness, the Sun Shower holds 2.5 gallons, and the Super Sun Shower holds 5 gallons. Both come complete with temperature indicator, hose, shower head, and on/off control.

1786 Sun Shower (ship wt 1 lb) **$14.50**
1787 Super Sun Shower (ship wt 1.5 lb) **$19.00**

D **Aluminum Dutch Ovens** Durable and lightweight aluminum cookware has a high tolerance for unusual cleaning methods (i.e. scrubbing with sand). The 12'' Dutch Oven has 1.5'' legs and is great for main dishes. The 10'' Dutch Oven has no legs, but is the one to take when weight and space are critical.

1763 12'' Dutch (ship wt 8 lb) **$38.00**
1764 10'' Dutch (ship wt 6 lb) **$26.50**

E **Water Sack** The handy, collapsible Water Sack holds two full gallons of your favorite beverage, and its self-closing spigot is designed for one-handed operation. Not thirsty? Try the Water Sack as a shower or even as a pillow for a good night's sleep. The Water Sack has a durable outer sack of oxford cloth covering bags of layered polyethylene. The inner polyethylene bag is larger than the outer, so it won't burst a seam from overfilling.

1788 (ship wt 4 oz) **$4.95**

F **River Chair** One of the most popular items in our catalog, the River Chair is at home on the river or at your backyard barbeque. Constructed of sturdy, lightweight aluminum tubing with a durable knit polyester seat and back, it folds into a space-saving 24'' x 20'' x 6'' package. With its contoured frame, the River Chair doubles as a canoe seat. (CAUTION! Keep an eye on your River Chair—they seem to end up under someone else when you're not looking!)

1783 (ship wt 3.5 lb) **$21.95**

G **Sven Saw** A folding saw can make collecting firewood a pleasure, and the Sven Saw is one of the best. The extra-sharp blade folds neatly into the aluminum handle leaving no cutting edges exposed. Measures 21'' x 2'' x .5'' when folded.

1779 Sven Saw (ship wt 1 lb) **$11.50**
1780 Extra Blade (ship wt 8 oz) **$5.00**

H **Polypropylene Underwear** The secret of polypropylene underwear is its ability to wick moisture away from your skin while at the same time providing a very effective thermal insulation layer. Made of high quality 8.5 oz polypropylene with a fleecy inner layer to baby your skin and a smooth outer layer to help prevent bunching and upward ''creep'', these garments are lightweight, durable, and extremely comfortable. Should you go for an unexpected dunking in your polypropylene underwear, just wring them out, put them back on, and your body heat alone will have them dry in minutes. The crew-neck undershirt features full length sleeves with knit cuffs. This underwear should definitely be on your equipment list for your next outing. Color: Navy. Shirt sizes: XS (30''- 32'' chest), S (34''-36''), M (38''-40''), L (42''-44''), XL (46'' +). Pant sizes: XS (up to 27'' waist), S (28''-30''), M (32''-34''), L (36''-38''), XL (40''-42'').

1491 Poly-shirt (ship wt 8 oz) **$16.95**
1496 Poly-pants (ship wt 10 oz) **$19.95**

I **Therm-A-Rest Mattresses** The Therm-a-Rest mattresses are the finest portable sleeping pads available. They feature a light, open-cell foam in a coated nylon shell. Just unroll them, open the valve, and they suck in the air! Give a few puffs if you want them a little firmer, then close the valve. The Expedition model is a luxury-sized mattress at 72'' x 20'' x 1.5'', which packs down to a portable 5'' diameter. The Backpacker version measures 47'' x 19'' x 1.5'' and rolls down to only 4'' in diameter. The optional nylon stuff sack provides convenient storage for your mattress. The coupler kit has two sets of nylon loops that attach two Therm-A-Rest mattresses together.

1757 Expedition (ship wt 3 lb) **$48.00**
1758 Backpacker (ship wt 2 lb) **$36.00**
1759 Expedition Sack (ship wt 4 oz) **$6.00**
1760 Backpacker Sack (ship wt 4 oz) **$6.00**
1761 Coupler Kit (ship wt 4 oz) **$4.00**

J **Blue Puma Sweatshirt** Styled for ease in movement, the Blue Puma Sweatshirt is great for skiing, climbing, cycling, or rowing a dory through the Grand Canyon. A fleece-lined kangaroo pouch offers hand protection and convenient storage. The nylon pile absorbs little water, so the sweatshirt dries fast if it gets wet. Twirl it above your head a few times, put it back on, and your body heat will finish drying it in a few minutes. The sweatshirt has smooth Antron nylon on the outside to resist snags and abrasion, and fleecy nylon pile on the inside for warmth and comfort. The 3.5'' stand-up collar can be worn snug or unzipped. Navy with royal blue trim. See sizing chart below.
1533-XS,S,M,L,XL (ship wt 1 lb) **$45.00**

K **Pile Pants** Blue Puma's comfortable nylon-pile pants provide the warmth of wool without wool's weight and bulk. A durable garment that offers protection on chilly paddling days, the pants feature adjustable bungee cord waist, an inner pocket, and locking ankle zippers. The legs are cut long and designed to be turned up if necessary. Available in royal blue. Waist sizes: S (up to 30''), M (32''-36''), L (38'' +).
1544-S,M,L (ship wt 1 lb) **$40.00**

L **CKS Paddling Jacket** A high-quality, reasonably-priced paddling jacket that's cut to allow freedom of movement, the CKS jacket features comfortable neoprene/Velcro cuff and neck closures, and an elasticized bottom hem for a snug fit over your spray skirt. Available in moss green. Men's chest sizes XS(28''-30'' chest), S(32''-34''), M(35''-40''), L(40''-44''), XL(45''-50'').
1563-XS,S,M,L,XL (ship wt 1 lb) **$29.95**

M **Blue Puma Hat** A ''Robin Hood'' hat that provides great head-warming protection for just about any outdoor sport, Blue Puma makes it from pile-lined Gore-Tex for warmth and comfort. The neoprene bill shades your eyes from sun and rain, and an adjustable chin strap ensures a secure fit. Ear flaps fold down for extra protection. Available in sizes: S (up to 7 1/4) and L (7 3/8 and above).
1482-S,L (ship wt 4 oz) **$17.85**

N **Blue Puma Paddling Sweater** Made of durable Antron nylon pile, the Paddling Sweater is warm, lightweight, non-restrictive, and dries in a breeze. It features 3/4 length sleeves that don't interfere with the cuffs of your Paddling Jacket, and a fleecy crew neck for extra comfort. Excellent for all but the coldest boating conditions, you can wear it around camp or while jogging, skiing, or bicycling. With proven performance on many of the world's rivers, including the Alsek in Alaska and Idaho's Middle Fork, it's now available in bright yellow, or navy with royal blue trim. See sizing chart below.
1523 Blue-XS,S,M,L,XL (ship wt 1 lb) **$38.75**
1528 Yellow-XS,S,M,L,XL (ship wt 1 lb) **$38.75**

O **NRS Hat** The NRS ''red-neck'' hat gives welcome shade, whether you're rolling down the river or mowing the lawn. Made of cool open weave polyester with the NRS logo printed on the front, it adjusts to fit all sizes.
1479 (ship wt 4 oz) **$4.95**

Blue Puma Sizing Chart

Men's chest size	**M** 38''-40''
XS 32''-34''	**L** 40''-42''
S 34''-36''	**XL** 42''-44''

P **Blue Puma Paddling Jacket** Wearing a Blue Puma Paddling Jacket over your paddling sweater makes paddling in adverse weather conditions about as comfortable as it can get! The neoprene neck closure (with velcro tabs and ventilation zipper) combines with the zippered neoprene cuffs to seal out water at your neck and wrists. The raglan sleeves give excellent arm and shoulder mobility, and the drawstring waist lets you adjust the jacket for a good fit without upward ''creep''. There's even a ''tooth-hold'' on the cuff so you can zip it with one hand, and a zippered chest pocket. Material is navy Super K-Kote taffeta with red trim. Sizing chart below.
1509-XS,S,M,L,XL (ship wt 1 lb) **$49.95**

Q **Roll-A-Table** Somehow, campsites always seem to lack sufficient flat surfaces. Who hasn't balanced a scrambled egg bowl on a round rock and watched it roll off, or set a full plate of food on a log then spilled it reaching for more coffee? The Roll-A-Table eliminates these problems by providing a secure, even 32'' x 32'' surface. The 27'' aluminum legs will support up to 100 pounds, and the wooden slats of the Roll-A-Table's top are treated for good water resistance. The table cover, which doubles as the carrying case, is durable waterproof vinyl laminate. Rolled up in its cover, the compact bundle (33'' x 6''; 11 lbs) can be easily strapped to your raft's rowing frame for safety.
1785 Roll-A-Table (ship wt 11 lb) **$39.95**

R **Roll-A-Stool** Our Designated Tester tips the scales somewhere near 260 pounds, so when he sat on the Roll-A-Stool he stressed it right to the limits of its rated capacity. The result? The Roll-A-Stool easily and comfortably held his weight. Four Roll-A-Stools fit in our Large Stuff Sack, and with a few Roll-A-Stools and matching Roll-A-Table, you and your party can sit down to eat in comfort, or play a few hands of cards as soon as you set up camp.
1784 Roll-A-Stool (ship wt 2 lb) **$14.00**

? Call Customer Service 208-882-2383

Indicates a new product

Lifejackets

A **Delta Maxi** We highly recommend this high quality, economically priced jacket (Type III; 26-29 lbs flotation). It comes with a full length zipper, an adjustable waist strap with a quick release Fastex buckle, and cinch straps below the arm holes to adjust the jacket for a secure fit. The bottom folds up for the big water kayaker, and the combination PVC and polyethylene foam is very comfortable and cut for freedom of movement. Cut-outs and attachment points fit the Delta Crotch Straps and Delta Pouch. Chest sizes: S(28'' to 34''), M(34'' to 38''), L(40'' to 44'')
1339-S,M,L (ship wt 2.5 lb) **$65.00**

B **Hi Float Life Jacket** Designed by Charlie Walbridge of Wildwater Designs, the Hi Float is the life jacket for serious big-water boaters. It carries a Type III (15.5 lbs flotation) rating, but actually provides 26-29.5 lbs of flotation depending on jacket size. The extra thick closed-cell foam provides protection as well, yet is cut so mobility is not restricted. Tough 400 denier oxford nylon is used for the outer shell, and 200 denier oxford nylon lines the inside. The Hi-Float features a full-length front zipper, waist tie, 5'' fold-up bottom, and elasticized lower hem. A cinch strap on each side gives this jacket a remarkably secure fit. High-visibility red. Sizes: S(fits 36''-38'' chest), M(40''-43''), L(45''-48'').
1329-S,M,L (ship wt 2.5 lb) **$77.50**

C **Youth Life Jacket** A type III jacket that provides 11 lbs of Ensolite flotation, the Youth Life Jacket has a comfortable nylon covering of high visibility yellow. The two chest straps fasten with Fastex snap closures for extra security. One size fits chest sizes 24''-29'' for weights from 50-90 lbs.
1337 (ship wt 2 lb) **$25.00**

Delta Crotch Straps Adjustable Delta crotch straps loop between your legs and attach to the cloth ties on Delta lifejackets, preventing the jacket from riding up and providing extra security for poor swimmers or for heavy whitewater use.
1334 (ship wt .5 lb) **$6.00**

D **Delta Shortie** The economical Delta Shortie (Type III; 15.5 lbs flotation) features a comfortable PVC and polyethylene foam in a durable yellow nylon covering. It has a full length zipper, cinch straps on the sides, and a secure web drawstring with quick-release Fastex buckle at the hem. Cut for freedom of movement, the Shortie has cut-outs and attachment points for Delta Crotch Straps and Delta Pouch and is an excellent PFD which can be worn comfortably all day. Sizes: XS(fits 26'' to 29'' chest), S(28'' to 34''), M(34'' to 38''), L(40'' to 44''), XL(46'' to 50'')
1343-XS,S,M,L,XL (ship wt 2.5 lb) **$47.50**

Delta Pouch The Delta pouches fit the cut-outs on the back and front of both the Delta jackets. Velcro fasteners secure the pouch to the jacket and seal the flap closure. Great for carrying survival items (matches, solar blanket, compass), or small daily necessities such as fishing tackle or sunglasses.
1333 Large Delta Pouch 7.5'' x 7.5'' **$7.00**
(ship wt .75 lb)
1332 Small Delta Pouch 4.5'' x 4.5'' **$6.70**
(ship wt .5 lb)

E **Whitewater Life Jacket** The Stearns Whitewater Life Jacket has demonstrated its reliability on rivers all over America. The soft PVC Aquafoam provides good buoyancy (Type III/V; 22 lbs) and a padded collar protects the back of the head. Two adjustable heavy-duty safety straps and one heavy-duty chest strap (spring-snap closures) keep the jacket snug and allow easy adjustment. The International Orange covering is made of durable nylon. Two sizes fit almost all adults: Small/medium fits up to 38'' chest sizes, and Large/extra-large fits 40'' chest size and above.
1312-S,L (ship wt 3 lb) **$60.00**

A Word About Coast Guard Ratings U.S Coast Guard-approved life jackets are rated according to their buoyancy (the force necessary to keep chin and head above water). We sell type I, II, III , and V Coast Guard-approved life jackets. Type I jackets provide a minimum of 22 lbs flotation and are designed to turn an unconscious person upright and slightly backwards in the water. Type II jackets have at least 15.5 lbs of flotation and are designed to float the unconscious wearer in an upright and slightly backward position. Type III jackets also have 15.5 lbs of flotation and are designed so the conscious wearer has greater mobility in the water. Type V, while still providing a minimum of 22 lbs of flotation, is approved for special uses: in our case, a foam-filled jacket designed specifically for whitewater use.

F **Type I Life Jacket** A Mae West-type all-vessel jacket (Type I; 25 lbs flotation) that offers high flotation at a low cost, this universal jacket has kapok-filled vinyl pouches, wrap-around straps, a middle clasp, and an outer shell of orange nylon. All jackets of this type should be treated carefully to avoid puncturing the vinyl pouches.
1314 (ship wt 3 lb) **$30.00**

G **Heads-Up Lifejacket** Stearns has put a lot of thought into this children's lifejacket (Type II, 7 lbs flotation). The Heads-Up is comfortable to wear, with super-soft Aquafoam padding. A foam-filled collar assists in keeping a floating child's head above water, and a handy ''grab loop'' lets the maverick be captured quickly. The Heads-Up closes with a 3/4-length YKK nylon zipper; crotch and waist straps offer additional security. The bright orange nylon outer fabric is highly visible, and the inner mesh covering allows for fast drying. The Heads-Up Jacket fits children with chest sizes from 20'' to 24'', weighing 30 to 50 pounds.
1336 (ship wt 1.5 lb) **$25.00**

H **Deliverance Life Jacket** The Stearns Deliverance is probably the most widely used whitewater Type III jacket (15.5 lbs flotation) in the US today because of its secure feel and non-bulky fit. The Deliverance has ribbed foam flotation inserts in a nylon shell, and a 6'' fold-up bottom is secured by a drawstring in the hem; this feature makes it ideal for kayaking! The 3/4-length zipper gives a comfortable fit that's reinforced by the cloth waist tie and bottom snap. Sizes XS(32''-34'' chest), S(36''-38''), M(40''-42''), L(44''-46''), and XL(48''-52''). Blue (#1315) and Bright Yellow (#1320).
1315-XS,S,M,L,XL (ship wt 2.5 lb) **$44.00**
1320-XS,S,M,L,XL (ship wt 2.5 lb) **$44.00**

E F G H

Wetsuits

Waterline Wetsuits We chose a top quality 3mm (1/8") thick neoprene, faced with tough nylon fabric on both sides, for our Waterline Wetsuits. All seams are lock-stitched with dacron/polyester thread, resulting in a flat seam that is very comfortable against your skin. Nylon braid reinforces each seam and edge, and gives the suit a handsome and distinctive look. Raglan sleeve construction gives free movement through the arms and shoulders without underarm bulk. The Waterline is backed with a lifetime guarantee against defects in workmanship and materials. Contact us for information about custom suits and add-on accessories. Men's sizes: S, M, ML, L, XL. Women's sizes: S, M, L. See chart at right.

A **Waterline Farmer John** The Farmer John Suit gives you protection that's just right for most weather and water conditions. The sleeveless suit is cut like a farmer's bib overall, with rounded neck, deep armholes, Velcro shoulder opening with snap, leg zips for easy pull-on and take-off, and extra padding at the knees.

1402 Men's (ship wt 2.5 lb) **$87.50**
1408 Women's (ship wt 2.5 lb) **$87.50**

B **Waterline Jacket** The Waterline Jacket is styled for comfort and warmth, with a stand-up collar, full-length front zipper, and wrist zips. It's cut long to minimize upward "creep" and to provide extra thermal protection. Worn with the Farmer John, you'll have two layers of protection over the vital upper body areas.

1393 Men's (ship wt 2 lb) **$65.00**
1399 Women's (ship wt 2 lb) **$65.00**

Wilderness Wetsuits A Wilderness Wetsuit offers warmth and comfort for all but the coldest trips. The arm and leg zippers are backed with neoprene flaps to minimize leakage; the edges on hems and knee patches are rolled and sewn. All suits are constructed of 1/8" nylon-1 Rubatex neoprene and carry a one-year guarantee against defects in material and workmanship. Women's styles are cut in a full "Dolly Parton" style, sizes; S, M, L. Men's sizes; S, SM, M, ML, L, XL. Please see sizing chart.

C **Wilderness Farmer John** A sleeveless suit with a low rounded neck, Velcro shoulder entry with snap, knee pads, and leg zippers provides your legs and upper body with plenty of cold water protection.

1419 Men's (ship wt 2.5 lb) **$75.00**
1425 Women's (ship wt 2.5 lb) **$75.00**

D **Wilderness Jacket** Cut an extra 6" longer than most jackets, the Wilderness Jacket has under-arm inserts that allow good upper body mobility. Worn with the Wilderness Farmer John, you'll have a double layer of protection over the upper body. Full-length padded front zipper, low rounded neck, wrist zippers.

1465 Men's (ship wt 2.5 lb) **$69.50**
1471 Women's (ship wt 2.5 lb) **$69.50**

Wetsuit Glue A black liquid neoprene which does a fine job fixing your spray skirt or gluing a crucial patch to your vintage 1967 wetsuit. A 4 oz can with brush top is enough for most repairs. (Flammable; no parcel post or air shipments, please)

1464 (ship wt 6 oz) **$3.50**

Wetsuit Material A quality 1/8" Nylon-1 neoprene for patching wetsuits, spray skirts, or making your own paddling accessories, the material is 38" wide and is sold by the running foot.

1463 (ship wt 1 lb) **$9.50 ft**

WILDERNESS
Wetsuit Sizing Chart

Men	Chest	Waist	Hips	Inseam	Height	Weight
Small	34-35	29-30	32-34	26-27	5'6"-5'8"	135-150
S-Medium	36-37	30-31	34-35	27-28	5'7"-5'10"	140-160
Medium	37-38	31-32	35-36	28-29	5'8"-5'11"	155-170
M-Large	38-39	33-34	36-37	29-30	5'9"-6'0"	160-175
Large	39-41	34-36	37-41	30-31	5'11"-6'0"	170-190
X-Large	42-44	35-37	42-44	31-32	6'0"-6'2"	190-200
Women						
Small	31-33	24-26	33-36	22-24	5'0"-5'3"	95-100
Medium	33-36	26-28	35-38	25-27	5'3"-5'7"	110-135
Large	35-39	28-30	37-40	28-30	5'7"-6'0"	135-150

WATERLINE
Wetsuit Sizing Chart

Men	Chest	Waist	Weight	Height	
Small	34-36	30-32	125-145	5'5"-5'9"	
Medium	37-39	32-34	145-165	5'8"-5'11"	
Med/Large	38-40	33-34	155-165	5'8"-5'11"	
Large	38-41	34-36	165-185	5'8"-6'1"	
X-Large	41-44	36-40	185-210	5'10"-6'3"	
Women					**Hips**
Small	32-34	22-24	100-110	5'0"-5'6"	32-36
Medium	34-37	23-26	110-130	5'3"-5'8"	34-38
Large	36-38	26-28	125-145	5'5"-5'10"	36-40

E **Sea Jacket** The versatile Sea Jacket is perfect for lightweight protection whenever you're on the water—rafting, sailing, kayaking, canoeing, or windsurfing! Designed by Seasuits, it features a comfortable 2-3 mm thick Nylon-2 neoprene torso which provides warmth where you need it the most. Roomy set-in sleeves are coated nylon, excellent for unrestricted movement and protection from wind and water. The full-length Delrin zipper, neoprene stand-up collar, and snug fitting neoprene cuffs complete the design. Men's sizes; XS(up to 33'' chest), S(34''-36''), M(37''-38''), L(39''-41''), XL(42''-44'').

1501-XS,S,M,L,XL (ship wt 1.5 lb) **$55.00**

Aquaseal Aquaseal is a new urethane rubber repair compound that works well as a general repair and maintenance material for wetsuits and other neoprene accessories. It dries clear and is completely flexible after curing for 24 hours. Perfect for waterproofing leaky wetsuit seams or reinforcing high abrasion areas. Use the COTOL accelerator to speed the Aquaseal cure to 2-4 hours and to clean the neoprene before using Aquaseal. Handy syringe included with COTOL. Flammable—no parcel post or air shipments, please.

1474-1.5 oz tube Aquaseal (ship wt 8 oz) **$5.25**

1475-4 oz can COTOL (ship wt 12 oz) **$5.25**

F **Waterline Universal** The unique, full-cut styling of this suit combines the warmth of a farmer john with the mobility and spray protection of a paddling jacket. It has a full length front zipper, stand up collar, ankle zips, and rugged nylon sleeves with neoprene cuffs. The full cut of the Universal Suit lets you wear an extra layer of clothing underneath.

1442 Men's (ship wt 2.5 lb) **$115.00**

1447 Women's (ship wt 2.5 lb) **$115.00**

E F

G **NRS Wet Shoe** We're proud to offer this well designed, durable substitute for your soggy, worn-out sneakers and by contracting directly with the manufacturer, we can offer them at a very reasonable price. The uppers are constructed of warm, hardy 5 mm nylon-lined neoprene with glued and lock-stitched seams, which are covered with a reinforcing strip of rubber. Critical abrasion areas (toe cap, instep, heel cap) are coated generously with sturdy vulcanized rubber. The soles of these shoes have non-slip molded rubber tread for sure footing while padded insoles make portages more bearable. With the six sizes offered, you should find it easy to get a good fit; note that the cut is slightly narrow for snugness. There is a one year warranty covering defects in material and workmanship. Sizes: XS,S,M,ML, L,XL. Please see sizing chart.

1430 (ship wt 1.5 lb) **$27.50 pr**

H

Wetsuit Mitts Wetsuit mitts are indispensable for cold weather river trips. The 3/32'' textured neoprene gives you an excellent grip on your paddle or oar, and the mitten styling provides the most warmth of any paddling handwear. Sizes: S,M,L,XL.

1453-S,M,L,XL(ship wt 6 oz) **$12.00 pr**

Three Finger Gloves The ''shooting glove'' styling of these 1/8'' neoprene mitts from Sea Suits allows for more dexterity than mitts. The 3 finger gloves have a good snug fit, and long wrists for extra warmth. Textured neoprene makes these mitts excellent for boardsailing, too! Sizes: S,M,L.

1457-S,M,L (ship wt 6 oz) **$13.50 pr**

G

NRS Wet Shoe & Tabata Boot Size Chart

Size	Men	Women
XS	5½-7	6-7½
S	6½-7½	7-8½
M	7-8½	8-9½
ML	8-9½	9-10½
L	9-10½	10-11½
XL	11-12	11-12

H **Tabata Boot** Tabata's wetsuit boot has been worn in major river expeditions worldwide. The uppers are 5mm nylon-lined neoprene, with vulcanized reinforcements at the high abrasion areas. The molded rubber sole has a non-slip tread and protects your foot from sharp rocks. The two year warranty covers defects in material and workmanship. Sizes:XS,S,M,ML,L,XL; please see sizing chart.

1436 (ship wt 1.5 lb) **$35.00 pr**

Waterproof Bags

We're proud of the reputation our waterproof bags have earned over the years. They are known throughout the U.S. and Canada as the most reliable watersports bags available, and have been chosen as the gear bags for numerous wild river first descents. People use them not only for river-running, but for canoeing, sailing, and fishing. From the large capacity 3.8 cubic foot Bills Bag to the handy Stuff and Tuff Sacks and economical Gear and Day Bags, we're sure you can find a bag to keep your gear dry.

All sizes of the Bills Bag have the same time-proven closure: just squeeze excess air from the bag, press the tabs together, roll down the top flap at least three folds, and cinch the top and side straps down tightly. The Bills Bags seal best when packed full, so it's a good idea to match bag size to your most frequent use. All sizes of the Bills Bag have rustproof Fastex hardware and 2'' padded shoulder straps to make those long portages bearable.

Our waterproof bags are made of tough, waterproof, 18 oz PVC-coated dacron with leakproof, heat-welded seams. Bills Bags are the original heavy-duty waterproof gear bags, often imitated but never equaled! The fabric-supported material of these bags will still be shedding water when unsupported vinyl imitations are worn and leaky. Our bags carry a one-year guarantee against defects in material and workmanship.

For all of you who require a waterproof bag in a more subdued color, we now offer all the Bills Bags and Tuff Sacks in a woodland camouflage pattern.

A **Bills Bag 3.8** Our largest and most popular waterproof bag, the 3.8 cubic foot capacity (13'' x 16'' x 32'' packed full) provides enough room for two persons' gear if carefully packed. The Original Orange is popular because it lets more light through (which helps in finding your gear), while Deep Blue will look new for a longer time. For those who need it, we now offer a camouflage version.

1348 Orange (ship wt 3 lb) **$47.50**
1349 Blue (ship wt 3 lb) **$47.50**
1385 Camouflage (ship wt 3 lb) **$53.50**

B **Outfitter Bag** In 1982, we designed and manufactured this bag especially for the commercial outfitter who demands an exceptionally durable yet economical bag. They were so popular with the outfitters that we now make them available for all our customers. The Outfitter Bag is made of extra-heavy 22 oz PVC/Dacron with leakproof, heat-welded seams. It features the reliable Bills Bag roll-down top closure secured by top and side straps, but instead of padded shoulder straps there's a convenient 1'' web carry handle. It has a generous capacity of 3.8 cubic feet (13'' x 16'' x 32'' packed full), and comes in assorted colors (please let us choose one for you).

1350 (ship wt 3.5 lb) **$38.00**

NRS Patch Kit Contains a 3'' x 4'' piece of clear vinyl, a small (1/5 oz) tube of Vynabond and directions for repairs on all vinyl products. Included with each of our Bills Bags.

1365 (ship wt 2 oz) **$.75**

C **Bills Bag 2.2** For a personal-sized gear bag, try the Bills 2.2. Measuring 10'' x 15'' x 25'' packed full, it provides approximately 2.2 cubic feet of dry storage—enough space for one person's gear on most any trip. It's a handier size than the 3.8 Bills, but not as much bag for the money. Same closure method and quality materials as all Bills Bags. Available in Deep Blue and Camouflage.

1351 Blue (ship wt 2.5 lb) **$43.50**
1386 Camouflage (ship wt 2.5 lb) **$48.50**

A

B

C

D **NRS Gear/Day Bags** Waterproof storage for the budget-minded sportsman is provided by both the Gear and Day Bag, which feature a patented watertight slide closure, envelope style construction, two corner grommets, and 18 oz PVC/Dacron material.The Day Bag has a 12" opening and is 17" long with the closure in place; Gear Bag has a 20" opening and is 30" long. Available in Blue.

1354 Gear Bag (ship wt 2 lb) **$21.00**
1356 Day Bag (ship wt 1 lb) **$13.95**

E **River Duffel** We think you will find our River Duffel very handy on your next raft trip or rainy car camping adventure. Modeled after "luggage-style" duffel bags, it is built of the same high quality PVC/Dacron waterproof material as the Bills Bags with a convenient 1" carry handle. The River Duffel has plenty of room for two people's clothes and daily necessities. Because the simplified roll-down, snap closure is not designed to be watertight, you may want to keep certain items in Stuff or Tuff Sacks within the River Duffel. (18" W x 22" L x 14" H when packed full).

1353 (ship wt 2.25 lb) **$20.95**

Vynabond Vinyl adhesive, good for repairing waterproof bags or attaching D-rings on Tahitis, ABS canoes, etc. 2 fluid oz/tube. (Flammable; no parcel post or air shipments.)

1710 (ship wt 4 oz) **$2.75**

Bag D's For adding tie-down points on your Bills Bag or Gear/Day Bag. 4" diameter, 18 oz PVC/Dacron patches with sewn-on 1" welded D-ring. Available in Blue, Orange, or Camouflage, use #1710 Vynabond for attaching.

1366 Blue (ship wt 2 oz) **$1.75**
1367 Orange (ship wt 2 oz) **$1.75**
1392 Camouflage (ship wt 2 oz) **$2.00**

F **Bills Bag 1.2** This smallest version (7" x 12" x 25" packed full) of the famous Bills Bag has all the quality materials and features of its big brothers, but with a 1.2 cubic foot capacity, it's just the ticket for bicycling or hiking, or for keeping your daily needs dry and at hand while rafting, canoeing, or sailing. Available in Deep Blue and Camouflage.

1352 Blue (ship wt 2 lb) **$38.50**
1387 Camouflage (ship wt 2 lb) **$41.75**

G **Tuff Sacks** If you need a bag as tough as the Bills Bag, but with a simplified closure system, then the Tuff Sack is the bag for you. We've added a ziplock closure to the Tuff this year for extra-secure dry storage. The sturdy fabric is 18 oz PVC/Dacron, and the roll-down ziplock closure has a convenient Fastex buckle that's a fastener and handle all in one. These bags are also great for organizing your gear inside a Bills Bag. For quick access to all those daily necessities—just snap a Tuff Sack around a D-ring, frame, or canoe thwart. For cross-country skiing, snap the Extra-Small Tuff around your belt to hold your wax kit. Tuff Sacks come in four sizes: Extra-Small (4.5" x 4.5" x 12"), Small (5.5" x 5.5" x 14"), Medium (6.5" x 6.5" x 22"), Large (7.5" x 7.5" x 28"). Extra-Small Tuff comes in Orange; small, medium, and large Tuffs in Blue and all in Camouflage.

1361 XSm (ship wt 8 oz) Orange **$10.50**
1388 XSm (ship wt 8 oz) Camouflage **$11.50**
1362 Sm (ship wt 12 oz) Blue **$12.50**
1389 Sm (ship wt 12 oz) Camouflage **$13.50**
1363 Md (ship wt 1 lb) Blue **$16.75**
1390 Md (ship wt 1 lb) Camouflage **$18.00**
1364 Lg (ship wt 1.5 lb) Blue **$19.95**
1391 Lg (ship wt 1.5 lb) Camouflage **$21.50**

G

H **Stuff Sacks** Stuff Sacks make economical ditty bags for organizing all those items, little and big, that you need on a trip. Stow your gear in the Stuff Sacks, then put the sacks into one of our larger Bills Bags for maximum protection. Two of the large Stuff Sacks will fit side by side in the 3.8 Bills Bag, making it easy to sort gear at the end of the day. Stuff Sacks are not completely waterproof when immersed, but do provide excellent protection from rain and spray. Constructed of 10 oz PVC laminated nylon with heat sealed seams, the Stuff Sacks feature a convenient roll-down closure that folds back on itself to snap shut with a Fastex buckle. Available in Blue in three sizes: small (5.5" x 5.5" x 14"), medium (6.5" x 6.5" x 22"), large (7.5" x 7.5" x 28").

1358 Sm (ship wt 8 oz) **$9.25**
1359 Md (ship wt 12 oz) **$12.50**
1360 Lg (ship wt 1 lb) **$13.95**

Waterproof Bags

D/L Bag You can't get more bag for your money. The D/L Bag (12'' x 16'' x 36'' packed full) is made of incredibly durable 28 oz PVC/Dacron, and is great for bulky equipment (sleeping bags, tents, and similar oversized objects). It has a watertight ziplock roll down closure, held with a Fastex buckle. The bag is designed to stay open to allow quick packing and easy access to your gear. Two grommets on the bottom make for convenient tie-down.
1381 (ship wt 6 lb) **$28.50**

Kitchen Bag The ultimate bag for hard-to-manage kitchen utensils, this durable bag is built extra tough with 28 oz PVC/Dacron. The rectangular bottom (18'' x 23'') helps you to stack (and have quick access to) your kitchen gear. The closure system has a roll down top with a ziplock closure and a Fastex buckle. To help protect the closure, we have added an overlapping top flap featuring Fastex hardware. It also has 1'' web carry handles on each end for easy hoisting.
1382 (ship wt 5 lb) **$52.50**

Northwest River Supplies
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NRS 1984 WHITEWATER SWEEPSTAKES

NRS '84 WHITE WATER SWEEPSTAKES CORRECTION; EVERY ORDER OR ENTRY YOU SEND TO NRS BEFORE 5/15/84 GIVES YOU A CHANCE TO WIN A PRIZE. SEE DETAILS BELOW.

Win … wer Salmon … es with every o… ant to be eligib… elow). We wa… and the NRS … ing will be h…

GRAND PRIZE: The prizewinner and one chosen companion will participate in one session of the NRS 1984 Whitewater School (see page 2 for details). This will be a memorable five-day trip on the Lower Salmon River in Idaho, which offers beautiful scenery, wildlife, and breathtaking rapids, with all expenses paid after you arrive in Moscow, Idaho. You choose whether you'd prefer the All-Inflatable School or the Hardshell School, and NRS will not only sponsor your attendance, but will also provide up to $200 apiece to the winner and companion to help with travel expenses. A $1198 value, free!

SECOND PRIZE: An NRS OTTER PADDLER'S PACKAGE, featuring the great little NRS OTTER, four Carlisle paddles, and other river necessities (see page 3 for details). A $285.00 value!

JUST BECAUSE WE'RE GOOD GUYS PRIZE: Three lucky winners will each receive one 3.8 BILLS BAG, the best darn bag on the river! Valued at $47.50 each!

OFFICIAL RULES—No Purchase Necessary

1. Your filled-out NRS Order Form will automatically qualify you for the NRS Whitewater Sweepstakes, or you may handprint your name, address, and zip code on a 3'' x 5'' piece of paper, along with the words NRS WHITEWATER SWEEPSTAKES. Enter as often as you wish, but mail each entry separately to NRS WHITEWATER SWEEPSTAKES., P.O.B. 9186 Moscow, ID 83843-9186. Entries must be received no later than May 15, 1984, and the drawing will be held by May 20, 1984. All entries become the property of NRS, which reserves the right to reprint the names and addresses of the winners.

2. Winners will be selected in a random drawing from among all entries received, under the supervision of NRS, whose decisions will be final. Only the prizes specified will be awarded in this Sweepstakes. Winners will be notified by mail and may be required to execute affidavit of eligibility and release. Odds of winning will depend on the number of entries received. NRS will arrange delivery of prizes. Taxes are the responsibility of the winners. Prizes are not transferable. No substitutions or exchanges for prizes.

3. Sweepstakes open to all individual residents of the U.S., its territories, and possessions, except employees (and their families) of NRS, its affiliates, and its advertising and promotion agencies. Void wherever prohibited or restricted by law.

4. For the winners' names, send a stamped, self-addressed envelope to NRS WHITEWATER SWEEPSTAKES P.O.B. 9186 Moscow, ID 83843-9186. On the return flap of the envelope, write Notification of Winners.